ORDER NO. ACED9803503
C4

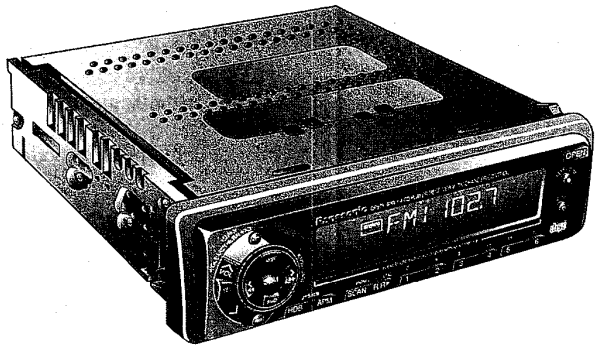
Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

COMPACT disc DIGITAL AUDIO

CQ-DP975/DFX85EUC

Removable Full Front High-Power CD Player / Receiver with Changer Control



< CQ-DP975EUC>

• NTT has applied for trademark registration for MASH.

Specifications*

General

Power Supply	: DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Tone Action	: Bass ;± 12dB at 100Hz Treble ;± 12dB at 10kHz
Current Consumption	: Less than 1.7A (CD play mode)
Maximum Power Output	: 40W × 4ch, at 400Hz, Vol. MAX
Per-AMP Output Voltage	
<CQ-DP975EUC>	: 2.0V (CD Play Mode ; 1kHz 0dB)
<CQ-DFX85EUC>	: 4.0V (CD Play Mode ; 1kHz 0dB)
Output impedance	
<CQ-DP975EUC>	: 600Ω
<CQ-DFX85EUC>	: 200Ω

AM Stereo Radio

Frequency Range	: 530 - 1,710kHz
Usable Sensitivity	: 28dB/μV(25μV, S/N 20dB)

FM Stereo Radio

Frequency Range	: 87.9 - 107.9MHz
Usable Sensitivity	: 13.2dBf(12.5μV, 75Ω)

CD Player

Sampling Frequency	: 32 times oversampling
DA Coverter	: MASH•1bit/4 DAC System
Pick-Up Type	: Astigma 3-beam
Light Source	: Semiconductor laser
Wavelength	: 780nm
Frequency Responce	: 20Hz to 20,000Hz (± 1dB)
Signal to Noise Radio	: 96dB
Wow and Flutter	: Below measurable limits
Channel Separation	: 75dB

Dimensions**

Main Unit (W × H × D)	: 7" × 1-15/16" × 5-7/8" (178 × 50 × 150 mm)

Weight**

Main unit	: 3lbs 1oz (1.4kg)

* Specifications and the design are subject to possible modification without notice due to improvements

** Dimensions and Weight showm are approximate.

● Above specifications comply with EIA standards.

Panasonic®

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(Recycled Paper)

⚠WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced proffesional technicians. Any attempt to service or repair the product or producs dealt with in this service information by anyone else could result in serious injury or death.

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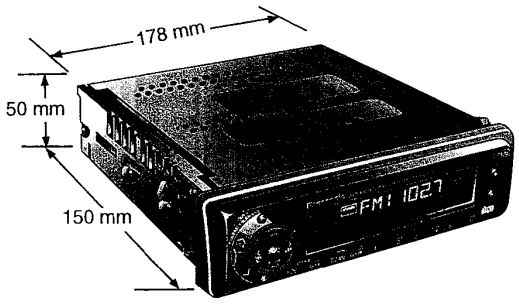
DIMENSIONS



FEATURES

- 32bit-times oversampling MASH 1bit 4-DAC system.
- Digital servo for reliable playback.
- PLL (Phase Locked Loop) synthesized tuning.
- 18-FM, 6-AM presets with preset scan.

REPLACING THE FUSE

Use fuses of the same specified rating 15amps. Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner, or other solvent.

RADIO AND CD DECK ALIGNMENT

■ RADIO BLOCK

Do not align the AM and FM package blocks. When the package block is necessary, it will be supplied already aligned at the factory.

■ CD DECK BLOCK

This model has no servo alignment points because microcomputer controls the servo circuit.

Note:

This operating instruction manual is for 2 models CQ-DP975EUC and CQ-DFX85EUC. All illustrations throughout this manual represent model CQ-DP975EUC unless otherwise specified. The following table describes the differences between 2 models.

Operating Controls \ Model	CQ-DP975EUC	CQ-DFX85EUC
Pre-out Level	2V	4V

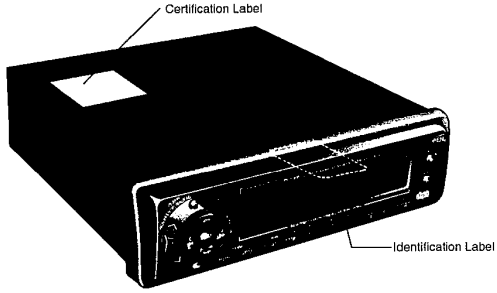
Find the model number and serial number on either the back or bottom of the unit. Please record them in the space below and retain this booklet as a permanent record of your purchase to aid in identification in case of theft.

❒ Laser Products (This page describes the standard in only United States.)

Caution:
This product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laser products:
Wave length 780 nm
Laser Power No hazardous radiation is emitted with safety protection.

• **Label indications and their locations**



Certification Label

Product complies with DHHS Rules 21 CFR, Subchapter J in effect as of date of manufacture.
Matsushita Communication Industrial Co., Ltd.
Yokohama, Japan

MANUFACTURED

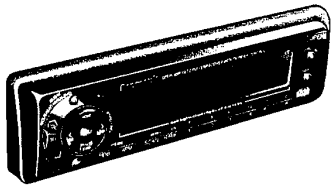
Identification Label

Model No.
N° De Modèle CQ-DP975EUC

12V | 4~8Ω | 15A

Manufactured by Matsushita Communication Industrial Co., Ltd.
Yokohama, Japan Made in Japan

Power and Sound Controls

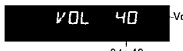


Power

If the car is not already running, turn the key in the ignition until the accessory indicator lights.
Press PWR to switch on the power.
Press PWR again to switch off the power.
Note: When power is switched on for the first time, greeting words display. To cancel this display, press "D" button once.
When a CD is inserted with all power connected, the unit power will automatically turn on and CD loading begins and plays.

Volume

Press "VOL^" or "^VOL" to increase or decrease volume.



Volume Level
0 to 40

Press "VOL^" or "^VOL" for more than a half second to change sequentially numeric levels on the display.

S•HDB (Super High Definition Bass)

Especially for rock music, the bass-sound will be more powerful.
• Press HDB to be able to listen to high-definition bass.
• Press HDB again to return to the normal tone.

Note: This unit is equipped with an anti-volume-blast circuit which serves as an automatic volume level adjuster so that you will not be deafened sudden loud volume.
This system operates as follows. When PWR is switched on, the volume level is low. After that, the volume level gradually returns to its previous level prior to switching off the unit.

Power and Sound Controls continued

Attenuator

• Press ATT to decrease volume to about 1/10 of the previous level.

• Press ATT again to cancel.

Changing Audio Modes

Press SEL to switch the audio mode in the following order.

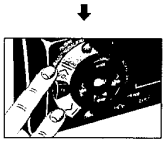
Normal Mode → VOLUME → BASS → TREBLE → BALANCE → FADER → SUB-W → VOLUME

Bass and Treble

• Press SEL to select the BASS (TREBLE) mode. Press "VOL^" or "^VOL" to increase or decrease the bass (treble) response.

-12 to +12 -12 to +12

• Press "VOL^" or "^VOL" for more than a half second to change numeric levels on the display rapidly.



Balance

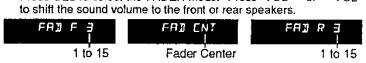
• Press SEL to select the BALANCE mode. Press "VOL^" or "^VOL" to shift the sound volume to the right or left speakers.

1 to 15 Balance Center 1 to 15

• Press "VOL^" or "^VOL" for more than a half second to change numeric levels on the display rapidly.

Fader

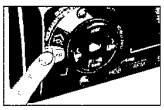
• Press SEL to select the FADER mode. Press "VOL^" or "^VOL" to shift the sound volume to the front or rear speakers.



1 to 15 Fader Center 1 to 15

• Press "VOL^" or "^VOL" for more than a half second to change numeric levels on the display rapidly.

Note: When an Audio control mode (BAS/TRE/BAL/FAD/SUB) is selected but no operation is made within 5 seconds(2 seconds at VOL mode), the display will return to the normal operation mode. In such a case, press SEL again to select the control mode.



Sub-woofer Volume

• Press SEL to select the Sub-woofer Volume mode.
• When Sub-Woofer is activated, press "VOL^" or "^VOL" to increase or decrease the Sub-Woofer Volume level.

Sub-Woofer Volume Level MUTE (0) to 8

Level Meter

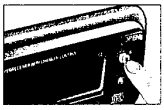
When power is ON, the level of sound sources, such as radio and CD, is displayed.

Display Controls

Dimmer Switching

Press and hold DIMMER for more than 2 seconds to change the brightness of the LCD from one level to another in a cycle of 3 levels as follows:

Dimmer 1 (Bright) → Dimmer 2 (Medium) → Dimmer 3 (Dark) → Dimmer 1



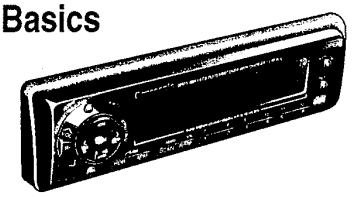
Level Meter Display Switching

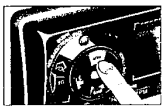
Press DIMMER to change the Level Meter display from one level to another in a total of 6 kinds display mode.

LEVEL DISPLAY 1 → LEVEL DISPLAY 2 → LEVEL DISPLAY 3 → LEVEL DISPLAY 4 → LEVEL DISPLAY 5 → LEVEL DISPLAY 6 → LEVEL DISPLAY 1

LEVEL DISPLAY 1	LEVEL DISPLAY 2
LEVEL DISPLAY 3	LEVEL DISPLAY 4
LEVEL DISPLAY 5	LEVEL DISPLAY 6

Radio Basics





To change Tuner Mode

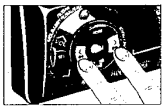
Press MODE to switch the operation mode in the following order.

Tuner ➡ CD player ➡ CD Changer Control
(When a disc is inserted) (When a CD changer is connected)

Selecting a Band

Press BAND to select the bands in the following order.
"STEREO" indicator lights if the station is broadcasting in stereo.

FM1 → FM2 → FM3 → AM

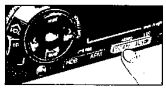


Manual Tuning

Press "TUNE>" or "<TUNE" to move to a higher or lower frequency.

Seek Tuning

Press and hold "TUNE>" or "<TUNE" for more than a half second, then release. The radio automatically stops on the next station.



MONO/LOCAL Selection

- Much interference is reduced during a weak FM stereo broadcasts when MONO is ON. (Only for FM mode)
- Searching stops automatically at a strong signal station only when LOCAL is ON.

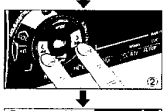
Press MONO to switch between stereo and MONO mode as follows.
MONO OFF ◄► MONO ON

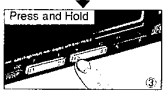
Press LOCAL to switch on or off the LOC mode as follows.
LOCAL OFF ◄► LOCAL ON

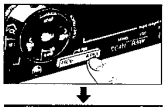
Preset Station Setting

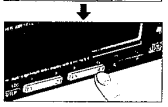
Up to 24 stations can be preset in the station memory as follows;

FM1	FM2	FM3	AM
6 stations	6 stations	6 stations	6 stations









Manual Station Preset

① Press BAND to select adesired band.
② Use manual or seek tuning to find a station that you want to program into memory.
③ Press and hold one of the station selector buttons 1 through 6 for more than 2 seconds until the display blinks.
Repeat the process to set other stations for the FM1 to AM bands.

Note: You can change the memory setting by repeating the above procedure.

Tuning in a Preset Station

Press any of the buttons 1 through 6 to tune in the station preset by the above steps ① to ③.

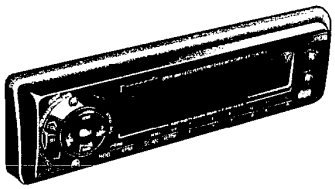
Auto Station Preset

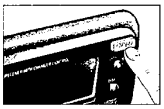
Select a band, press APM.

- The 6 strongest available stations will be automatically set in memory on preset buttons 1 through 6.
- Once set, the preset stations are sequentially scanned for 5 seconds each.
- Press the appropriate preset button for the station you want to hear.

Caution: For safety reasons, do not attempt to program while driving.

Compact Disc Player Basics





Loading a Disc

① Press OPEN to open the front panel.
② Insert the disc.
③ Close the front panel by hand.

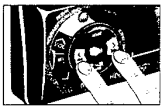
Notes:

- When you insert a disc and the mode is switched to the CD mode, ATT will be automatically enabled.
- ATT will be automatically disabled when you close the front panel.

Ejecting the Disc

Press OPEN to open the front panel. Press ▲ to eject the disc for removal, and close the front panel by hand, the previous mode of operation will be resumed.

Note:
The disc should always be removed from the unit when not in use.

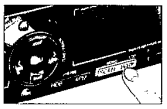


Selecting a Track

- Press "TRACK ►►" once to go to the next track. Press repeatedly to step forward through all the tracks.
- Press "◄◄TRACK" once to play from the beginning of the track you are listening to. Press twice to play the previous track. Press repeatedly to step backward through all the tracks.

Searching a Track

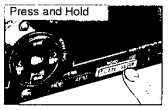
- Press and hold "TRACK ►► " or " ◄◄TRACK" for more than a half second to activate fast forward or reverse through a track.
- Release "TRACK ►► " or "◄◄ TRACK" to resume the normal CD play from that position.



Repeating a Track

Press R/R► to repeat the current selection. "REPEAT" indicator will light.

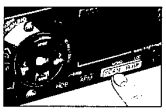
The current selection will continue to repeat until you press R/R► again.



Random Selection

Press and hold R/R► for more than 2 seconds. "RANDOM" indicator will light. A random selection of music is played from all available tracks.

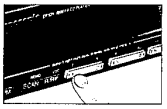
To turn it off, press and hold R/R► for more than 2 seconds again.



Scanning Tracks

Press SCAN. The display will blink and the first 10 seconds of each track on the discs play in order.

To stop scanning and continue with the current track, press SCAN again.



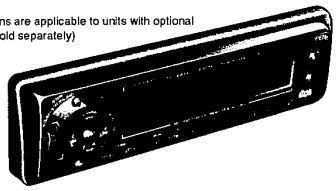
Selecting by Track Number (Direct track access)

- Press a number from "1" to "6" then the corresponding track will start.
- Press and hold a number from "7" to "12" ("1" to "6") for more than one second and the corresponding track will start.

Note: When POWER or ACC is off you can press ▲ to eject the disc.

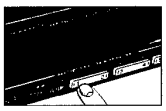
CD Changer Basics

Note:
CD changer functions are applicable to units with optional CD changer unit. (sold separately)



To start the CD Changer

While a disc magazine inserted in the CD Changer, press MODE to play starts from first track.



Selecting a Disc (Direct Disc access)

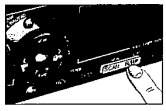
- Press a number from "1" to "6" then the corresponding disc will start.
- Press and hold a number from "7" to "12" ("1" to "6") for more than one second and the corresponding disc will start.

Selecting a Track

- Press "TRACK ▶▶" once to go to the next track. Press repeatedly to step forward through all the tracks.
- Press "◀◀ TRACK" once to play from the beginning of the current track. Press twice to play the previous track. Press repeatedly to step backward through all the tracks.

Searching a Track

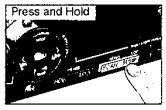
- Press and hold "TRACK ▶▶" or "◀◀ TRACK" for more than a half second to activate fast forward or reverse through a track.
- Release "TRACK ▶▶" or "◀◀ TRACK" to resume the normal CD changer play from that position.



Repeating a Track

Press R/R▶ to repeat the current selection. "REPEAT" indicator will light.

The current selection will continue to repeat until you press R/R▶ again.



Random Selection

Press and hold R/R▶ for more than 2 seconds. A random selection of music is played from all available tracks.

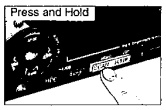
To turn it off, press and hold R/R▶ for more than 2 seconds again.

Note:

- If R/R▶ is pressed during random play, the track now in play automatically returns to beginning upon coming to the end plays back again. (Random repeat)
- When R/R▶ is pressed again, repeat play stops and returns to random play.
- Press and hold R/R▶ for more than 2 seconds again, random play stops.

Scanning Tracks

Press SCAN. The display blinks and the first 10 seconds of each track on the discs play in order.
To stop scanning and continue with the current track, press SCAN again.

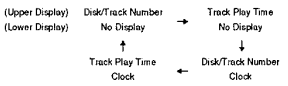


Scanning Discs

Press and hold SCAN for more than 2 seconds. The 1st track of all the discs in the magazine is played for 10 seconds each.
To stop scanning and continue with the current track, press SCAN again.

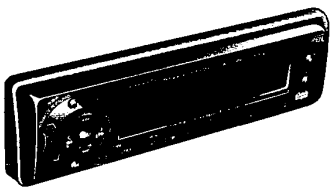
Changing the Display

Press DISP for less than 2 seconds to switch the display in sequence in the following order.



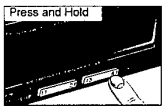
Note: You cannot change the current display while Random or Scan plays in CD or CD-C.

Sound Design Memory



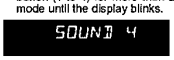
Sound Design Memory Mode

A desired sound setting (except for VOL and ATT) can be memorized and recalled.

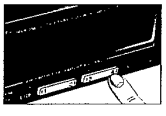


Sound Design Memory Input

- Press SDM to select to the sound design memory mode.
- To preset sound setting, press the corresponding preset memory button (1 to 4) for more than 2 seconds in Sound Design Memory mode until the display blinks.



- The preset memory buttons 5 and 6 are not valid for set sound design memory. (call only)



Recall Programmed Sound Design Memory

- When a desired preset memory button is pressed in sound memory mode, the corresponding sound setting is called.

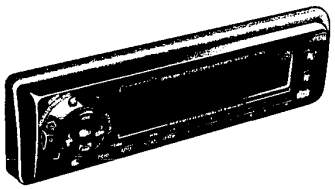
- The preset memory button 5 is recommended for setting.
- The preset memory button 6 is used to release all sound settings.

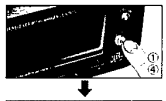
To change to normal mode

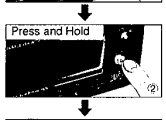
Press SDM or DISP to change to the normal mode.

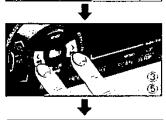
Note: When the sound design memory mode is selected but no operation is made within 5 seconds, the mode will return to the normal mode.

Clock Basics (The clock system is 12-hours.)









Initial Time Setting

The DISP key is inoperative while Random or Scan plays in CD or CD-C. To cancel Random or Scan plays before using the DISP key.

① Press DISP. "ADJ" is displayed.

② Press and hold DISP again for more than 2 seconds. "12" blinks indicating the time setting mode is activated.

③ To set hours, press "<TUNE" or "TUNE>".

④ Press DISP again for minute setting.

⑤ To set minutes, press "<TUNE" or "TUNE>".
Hold "<TUNE" or "TUNE>" to change numbers rapidly.

⑥ When you have set the time, press DISP.

Resetting the Time

When you want to reset the time, press and hold DISP for more than 2 seconds to activate the time setting mode. Then, repeat step ① to ⑥ above.

Selecting the Clock Display

Press DISP for clock display.
Press DISP once again, and the clock display disappears.

In Tuner Mode: Presets ⟷ Clock
In CD Mode: No Display (Clock Off) ⟷ Clock

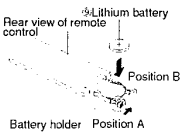
When power is turned off while the time is displayed, the clock mode remains on. When the PWR is pressed again, the system is completely off.

Note: Before you leave your car that has no ACC, be sure to switch power off.

Remote Control Unit Basics

Battery Replacement (Remote Control Unit)

1. Remove the battery holder.
   Pull the holder by the Position B while pushing Position A in the direction indicated by the arrow.
2. Replace the battery.
   Set a new battery properly with the (+) side up as illustrated.
3. Insert the battery holder.
   Push in the holder to the full.



Notes on Batteries

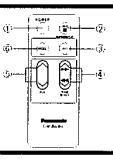
Old batteries must immediately be removed and disposed.

Battery Information:

- Designated Battery: Panasonic Lithium Battery (CR2025)
- Battery Life: 6 months with normal use (in normal room temperature)

Caution:
Improper use of batteries may cause overheating, explosion or ignition, resulting in injury or fire. Battery leakage may cause damage to the unit.

- Do not disassemble or short the batteries. Do not throw the batteries into the fire.
- To avoid the risk of accident, keep the batteries out of reach of children.



①Power Button
②BAND/DISC UP Button
③ATT Button
④TUNE/TRACK Button
⑤Volume Control Button
⑥Mode Button

Please refer Battery Replacement before using remote control.

Operating Procedures

Aim the remote controller toward the sensor of the main unit.

General

Power

①POWER (Power Button)
Press POWER to switch on the power.
Press POWER again to switch off the power.

Mode Selection

⑥MODE (Mode Button)
Press MODE to switch the operation mode in the following order.

Radio → CD Player → (CD Changer / Control)

Attenuator

③ATT (ATT Button)

- Press ATT to immediately decrease volume to about 1/10 of its previous level.
- Press ATT again to cancel.

Volume

⑤∨VOL∧ (Volume Control Button)
Press "∧" or "∨" to increase or decrease volume level.

Radio

Selecting a Band

②BAND (Band select Button)
Press BAND to select bands in sequence.

FM1 → FM2 → FM3 → AM

Manual Tuning

④∨TUNE∧ (Manual Tuning Button)
Press "∨" or "∧" to tune the frequency downward or upward.

Seek Tuning

④∨TUNE∧ (Seek Tuning Button)
Press and hold "∨" or "∧" for more than a half second, then release. The radio will automatically stop on the next station.

Compact Disc Player

(When a disc is inserted, playback starts.)

To starts CD Play

⑥MODE (MODE Button)

- Only when a disc is inserted, press to select CD play mode, and playback starts automatically.
- When connecting with the CD changer, press repeatedly to select the mode as follows.

Radio → CD Player → (CD Changer / Control)

When a disc is inserted, the CD play starts automatically regardless what mode you are being listened.

Selecting a Track

④∨TRACK∧ (Track Select Button)

- Press "∧" once to go to the next track.
- Press "∨" once to play from the beginning of the currently played track.
- Press repeatedly to skip forward or backward through all the tracks.

Searching a Track

④∨TRACK∧ (Track Search Button)

- Press and hold "∨" or "∧" for more than a half second to activate fast forward or reverse through a track.
- Release to stop fast forward or reverse.

CD Changer Control

(In connection with the CD changer.)

Selecting a DISC

②DISC UP (Disc Select Button)
Press to sequentially advance to the next disc.

Selecting a Track

④∨TRACK∧ (Track Select Button)
Press "∧" once to go to the next track.
Press "∨" once to play from the beginning of the currently played track.
Press repeatedly to skip forward or backward through all the tracks.

Searching a Track

④∨TRACK∧ (Track Search Button)

- Press and hold "∨" or "∧" for more than a half second to activate fast forward or reverse through the disc.
- Release to stop fast forward or reverse.

Installation Guide

⚠ WARNING

The installation information is designed for experienced installers and is not intended for non-technical individuals. It does not contain warnings or cautions of potential dangers in attempting to install this product.

Any attempt to install this product in a motor vehicle by anyone other than qualified installer could cause damage to the electrical system and could result in serious personal injury or death.

❒ Overview

This equipment should be installed by a professional. However, if you plan to install this unit yourself, your first step is to decide where to install it. The instructions in these pages will guide you through the remaining steps: (Please refer to "WARNING" statement above).

- Identify and label the vehicle wires
- Connect the vehicle wires to the wires of the power connector
- Install the unit in the dash
- Check the operation of the unit

If you do encounter problems, please consult your nearest professional installer.

Caution: This unit will operate with a 12 volt DC negative ground auto battery system only. Do not attempt to use it in any other system. Doing so could cause serious damage.

Before you begin installation, look for the following items included in the packing with your unit.

- **Warranty Card** .... Fill this out promptly
- **PASC, Panasonic (in Canada) Servicenter Directory** ..... Keep for future reference in case the unit needs servicing
- **Installation Hardware** ..... Needed for in-dash installation

❒ Installation Hardware

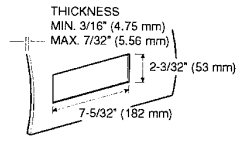
No.	Item	Diagram	Qty
①	Mounting Collar		1
②	Hex. Nut (5 mmϕ)		1
③	Rear Support Strap		1
④	Tapping Screw (5 mmϕ × 16 mm)		1
⑤	Mounting Bolt (5 mmϕ)		1
⑥	Power Connector		1
⑦	Removable Face Plate Case		1
⑧	Remote Control Unit		1
⑨	Lithium battery		1
⑩	Trim Plate		1

❒ Required Tools

You'll need a screwdriver, a 1.5 volt AA battery, and the following:

12 V DC TEST BULB | ELECTRICAL TAPE | SIDE-CUT PLIERS

❒ Dashboard Specifications



❒ Identify All Leads

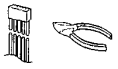
The first step in installation is to identify all the vehicle wires you'll use when hooking up your sound system.

As you identify each wire, we suggest that you label it using masking tape and a permanent marker. This will help avoid confusion when making connections later.

Note: Do not connect the power connector to the stereo unit until you have made all connections. If there are no plastic caps on the stereo hooking wires, insulate all exposed leads with electrical tape until you are ready to use them. Identify the leads in the following order.

Power Lead

If your vehicle has a radio or is pre-wired for one: Cut the connector wires one at a time from the plug (leaving the leads as long as possible) so that you can work with individual leads.



Turn the ignition on to the accessory position, and ground one lead of the test bulb to the chassis. Touch the other lead of the test bulb to each of the exposed wires from the cut radio connector plug. Touch one wire at a time until you find the outlet that causes the test bulb to light.

Now turn the ignition off and then on. If the bulb also turns off and on, that outlet is the vehicle power lead.

If your vehicle is not wired for an audio unit:
Go to the fuse block and find the fuse port for radio (RADIO), accessory (ACC), or ignition (IGN).

Battery Lead

If your stereo unit has a yellow lead, you will need to locate the car's battery lead. Otherwise you may ignore this procedure. (The yellow battery lead provides continuous power to maintain a clock, memory storage, or other function.)
If your vehicle has a radio or is pre-wired for one: With the ignition and headlights off, identify the car battery lead by grounding one lead of the test bulb to the chassis and checking the remaining exposed wires from the cut radio connector plug.
If your vehicle is not wired for an audio unit:
Go to the fuse block and find the fuse port for the battery, usually marked BAT.

Speakers

Identify the car speaker leads. There will be two leads for each speaker, usually color coded.
A handy way to identify the speaker leads and the speaker they connect with is to test the leads using a 1.5 volt AA battery as follows.
Hold one lead against one pole of the battery and stroke the other lead across the other pole. You will hear a scraping sound in a speaker if you are holding a speaker lead.
If not, keep testing different lead combinations until you have located all the speaker leads. When you label them, include the speaker location for each.

Antenna Motor

If your vehicle is equipped with an automatic power antenna, identify the vehicle motor antenna lead by connecting one bulb tester lead to the vehicle battery lead and touching the remaining exposed wires from the cut radio connector plug one at a time. You will hear the antenna motor activate when you touch the correct wire.

Antenna

The antenna lead is a thick, black wire with a metal plug at the end.

Installation Guide continued

❒ Connect All Leads

Now that you have identified all the wires in the vehicle, you're ready to begin connecting them to the stereo unit wires. The connection diagram on Page 27 show the proper connections and color coding of the leads.
We strongly recommend that you test the unit before making a final installation.
You can set the unit on the floor and make temporary connections to test the unit. Use electrical tape to cover all exposed wires.

Important: Connect the red power lead last, after you have made and insulated all other connections.

Ground
Connect the black ground lead of the power connector to the metal vehicle chassis.

Speakers
Connect the speaker wires. See the wiring diagram for the proper hookups. Follow the diagram carefully to avoid damaging the speakers and the stereo unit.
The speakers used must be able to handle more than 40 watts of audio power. If using an optional audio power, the speakers should be able to handle the maximum amplifier output power. Speakers with low input ratings can be damaged.

Speaker impedance should measure 4 - 8 ohms, which is typically marked on most speakers. Lower or higher impedance speakers will affect output and can cause both speaker and stereo unit damage.

Caution: Never ground the speaker cords. For example, do not use a chassis ground system or a three-wire speaker common system. Each speaker must be connected separately using parallel insulated wires. If in doubt about how your car's speakers are wired, please consult with your nearest professional installer.

Motor Antenna
Connect the vehicle motor antenna lead to the blue motor antenna relay control lead.

Battery
Connect the yellow battery lead to the correct radio wire or to the battery fuse port on the fuse block.

Antenna
Connect the antenna by plugging the antenna lead into the antenna receptacle.

Equipment
Connect any optional equipment such as amplifier, according to the instructions furnished with the equipment. Keep about 12 inches (30 cm) of distance between the speaker cords/amplifier unit and the antenna/antenna extension cord. Read the operating and installation instructions for any equipment you will connect to this unit.

Power
Connect the red power lead to the correct vehicle radio wire or to the appropriate fuse port on the fuse block.
If the stereo unit functions properly with all these connections made, disconnect the wires and proceed to the final installation.

❒ Final Installation

Lead Connections
Connect all wires, making sure that each connection is insulated and secure. Bundle all loose wires and fasten them with tape so they won't fall down later. Now insert the stereo unit into the mounting collar.

Congratulations! After making a few final checks, you're ready to enjoy your new auto stereo system.

❒ Final Checks

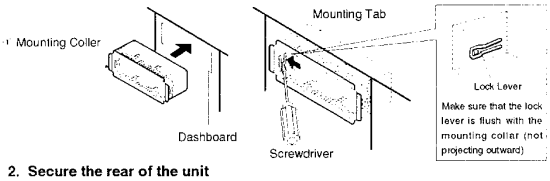
1. Make sure that all wires are properly connected and insulated.
2. Make sure that the stereo unit is securely held in the mounting collar.
3. Turn on the ignition to check the unit for proper operation.

If you have difficulties, consult your nearest authorized professional installer for assistance.

❒ Installation Procedures

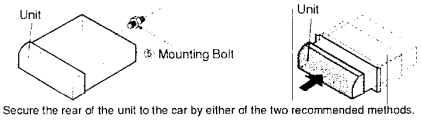
1. Secure the Mounting Collar ①.

Insert Mounting Collar ① into the car's dashboard, and bend mounting tabs out with a screwdriver.



2. Secure the rear of the unit

a) Check the electrical connection by referring to this operating instructions.
b) Connect the Mounting Bolt ⑤, using a suitable wrench.
c) Insert the unit into Mounting Collar ① and push it in unit "click" is heard.



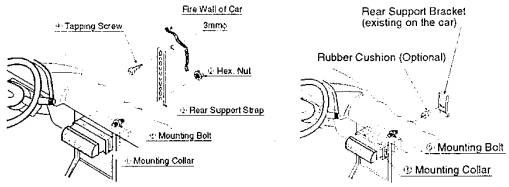
d) Secure the rear of the unit to the car by either of the two recommended methods.

■ Using the Rear Support Strap ③

Affix one end of the Rear Support Strap ③ to the rear of the unit, and the other end to the Fire Wall of Car, or some other metallic area.

■ Using the Rubber Cushion (Optional)

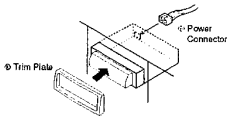
(If there is an existing Rear Support Bracket on the Fire Wall of Car.)
Cover Mounting Bolt ⑤ on the rear of the unit with Rubber Cushion (Optional), and mount it into the existing Rear Support Bracket.



Installation Guide continued

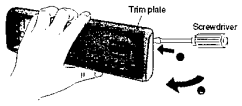
3. a) Plug the Power Connector ⑥.
b) Install the Trim plate ⑩.

4. After installation reconnect the negative (–) battery terminal.



To Remove the Unit

a) Remove the trim plate with a screwdriver as shown in the figure.



b) Pull out the unit while pushing two lock levers using screwdriver in the following order.(Fig.1, 2)
c) Remove the unit pulling with both hands.(Fig.3)

Fig. 1

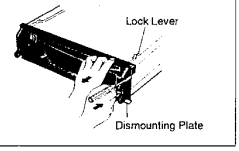


Fig. 2

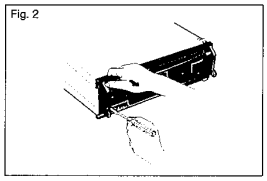
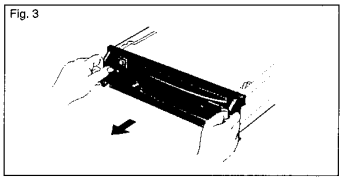


Fig. 3



Anti-Theft System

This unit is equipped with a removable face plate. By removing this face plate, the radio becomes totally inoperable. The security indicator will blink.

To Remove the Removable Face Plate

① Switch off the power.
② Press the OPEN. The removable face plate will be opened.
③ Push the face plate to either the right or left, then pull it out toward yourself.

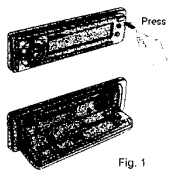


Fig. 1

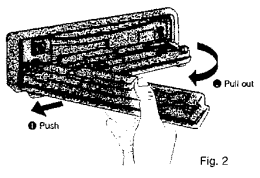


Fig. 2

Security Indicator

The security indicator blinks when the removable face plate is removed from the unit.

Desactivate Security Indicator

Press and hold SEL for more than 2 seconds when the power is ON. "LED OFF" is displayed, and the security indicator turns OFF.

Display	Security Indicator
LED ON	Blinks
↕ (Press and hold SEL for more than 2 seconds.)	
LED OFF	OFF

Caution:
When you want to remove the unit, the security indicator functions can be canceled by the following steps of procedure.
• Install the removable face plate.
• Disconnect the power connector.

Installation Guide continued

④ As shown in Fig.3, gently push the lower side of the case and open its cover. Keep the removable face plate in the case. Then, you can bring the plate safety.

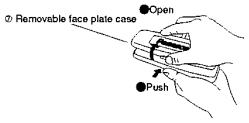


Fig. 3

To install the Removable Face Plate

① Fit either the edge of right or left holes in the face plate over the main unit's pin, and fit it over on the other side while pushing it.

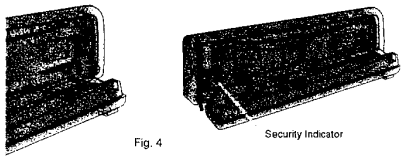


Fig. 4

② After fitting the face plate holes, move the face plate up and down a few times to make sure that it has been fitted securely.

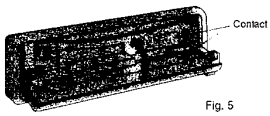


Fig. 5

③ Close the front panel and press the right side of face plate until "click" is heard.

Caution:
1. Before removing the removable face plate, make sure the power is off.
2. This removable face plate is not water-proof. Do not expose it to water or excessive moisture.
3. Do not remove the removable face plate, while driving your car.
4. Do not place the removable face plate on the dashboard or nearby areas where the temperature rises to high levels.
5. Do not touch the contacts on the removable face plate or on the main unit, since this may result in poor electrical contacts.
6. If dirt or other foreign substances get on the contacts, wipe them with a clean, dry cloth.
7. Don't apply any strong downward force onto the face plate being open or it might be damaged.

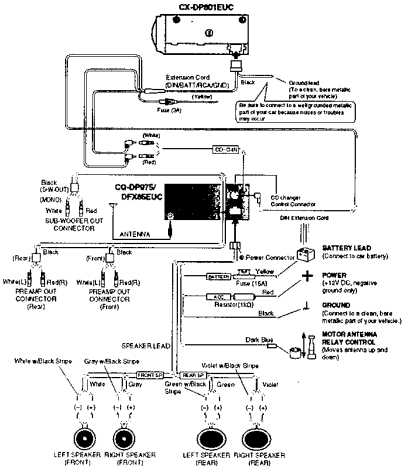
Electrical Connection

- This unit can be connected to an optional CD changer (CX-DP801EUC). For details consult your nearest Panasonic dealers.
- For connection to a CD changer, refer to the operating instructions of the CD Changer (CX-DP801EUC).

Caution:
- To prevent damage to the unit, be sure to follow the connection diagram below.
- Remove the covering of the leads about 5 mm long from their end before connecting.
- Do not insert the power connector into the unit until the wiring is completed.
- Be sure to insulate any exposed wires from a possible short-circuit from the car chassis. Bundle all cables and keep cable terminals free from touching any metal parts.

NOTE:RECOMMENDED EXTERNAL AMP COMBINATION (EXAMPLE)

Preamp out (rear/front) ➡ CY-M9054 (4 ch system)
Sub-Woofer out ➡ CY-M9054 (2 ch system)
or
CY-M7052 (1 ch system)



Troubleshooting

❒ Maintenance

Your product is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner, or other solvent.

❒ When Something Doesn't Work

Check the charts for possible causes and solutions to any problem you might be experiencing. Some simple checks or minor adjustments may eliminate the problem.

❒ Product Servicing

If the suggestions in the charts don't solve the problem, we recommend that you take it to your nearest authorized PASC, Panasonic (in Canada) Servicenter. The unit should be serviced only by a qualified technician.

❒ Replacing the Fuse

Use fuses of the same specified rating 15 amps. Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.
If the replacement fuse fails, contact your nearest PASC, Panasonic (in Canada) Servicenter for service.

Error Display Messages

❒ CD

	Displays when the compact disc is dirty or upside down. Press OPEN to open the front panel, press ▲.
	Displays when compact disc is scratched. Press OPEN to open the front panel, press ▲.
	Displays when the compact disc stops operating for some reason. Please turn off the car engine (ACC off) and remove the fuse from yellow lead for 1 minute. Then reinstall the fuse.

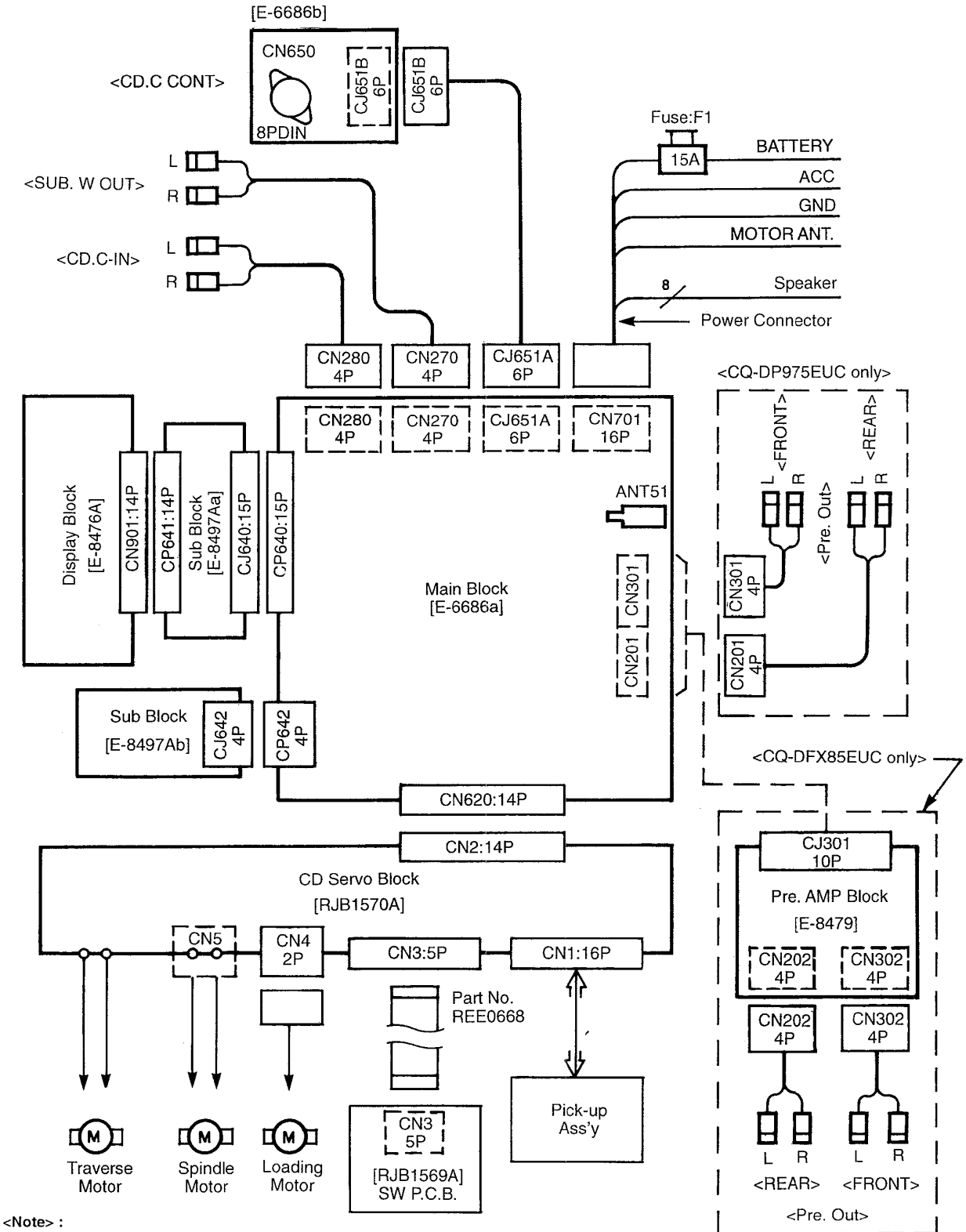
❒ CD-changer

	Displays when the compact disc is dirty or upside down. Selects the next available compact disc.
	Displays when compact disc is scratched. Selects next available compact disc.
	Displays when the unit stops operating for some reason. Press RESET on the CD Changer (optional).
	Displays when there is no disc in the magazine.

❒ Troubleshooting Tips

Unit won't turn on.	Dead vehicle battery. Ignition not on. Bad power line connection. Fuse burned out.	Charge vehicle battery. Turn ignition to On or Accessory. Check connections. Replace fuse.
Radio has static.	Antenna not hooked up. Close to high power lines.	Hook up antenna. Move away from high power lines.
Radio memory buttons don't work.	Not holding buttons down long enough.	Press and hold buttons for more than 2 seconds.
No sound can be heard even if the disc is properly loaded.	The compact disc is inverted.	Insert the disc with label side facing up.
	The compact disc is very dirty.	Try to clean the compact disc by instructions of disc cleaning.
	The temperature inside the car is more than 140 F (60 C).	Give the interior a chance to cool down before using the unit.
	Excessive moisture.	Wait for a while before using the unit.
	Wiring connection is not properly done.	Confirm all wiring connection such as power cord, speaker cords, etc.
	Volume control is at "minimum" position.	Adjust the volume control to the proper level.
	Fuse of amplifier is blown out.	Replace the fuse with the correct rating.
Sound distorted due to vibration.	Installation method is bad.	Fix the unit securely.
Inverted sound (Left/Right connections).	The speaker cords are inverted.	Check the speaker cords.
No sound from front or rear speakers.	The fader control is set on the wrong position.	Adjust the fader control of the unit correctly.
Sound distorted due to vibration	The compact disc may be defective.	Try to replace the disc with another one.
	The compact disc is dirty.	Try to clean the compact disc by instructions of disc cleaning.
A compact disc is sometimes ejected. (Display shows "E1", an error message.)	The pickup lens is dirty.	Clean the lens. (Use CD lens cleaning disc.)

WIRING CONNECTION

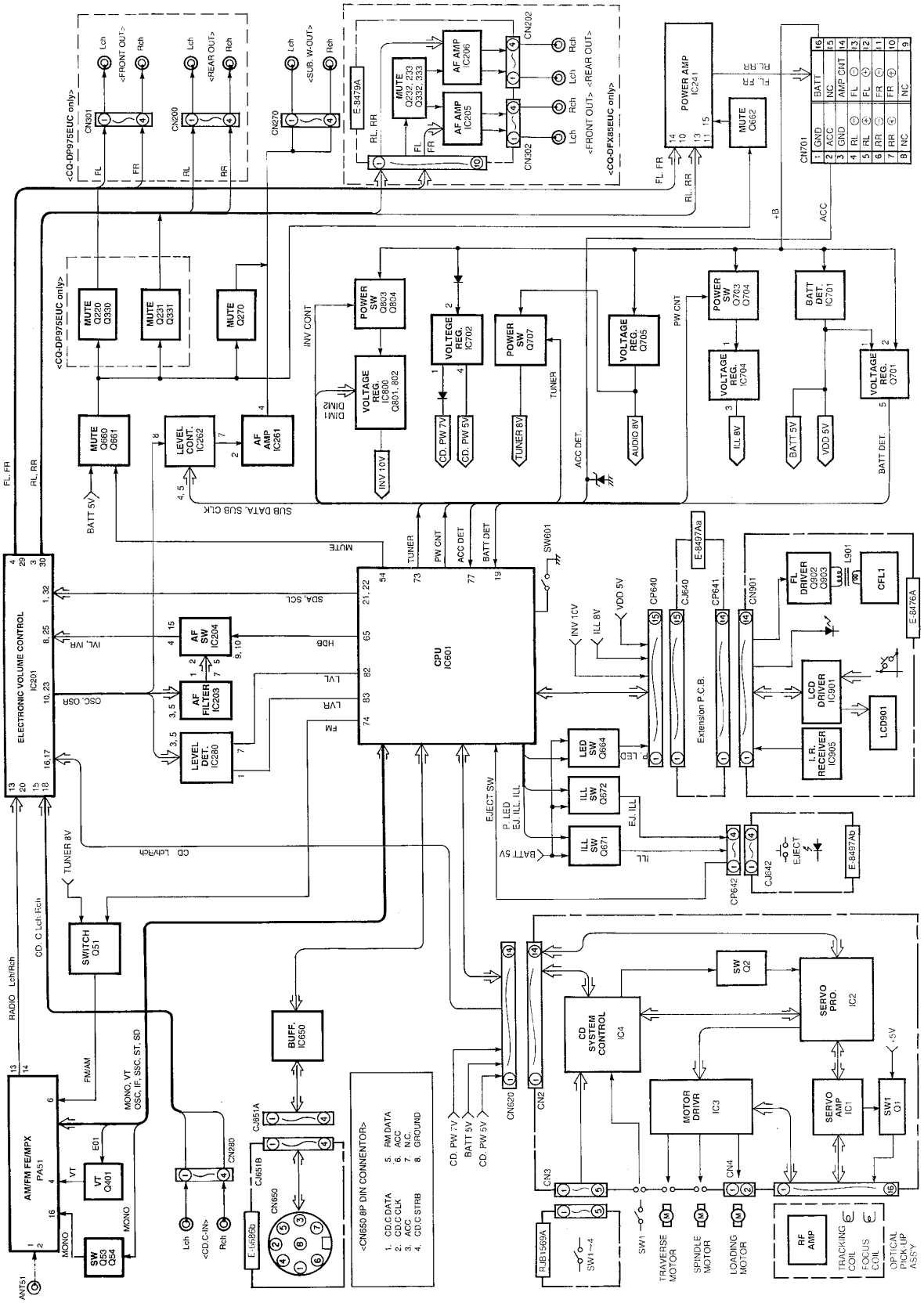


<Note> :

□ ·····This mark shows a Ref. No. of connector.

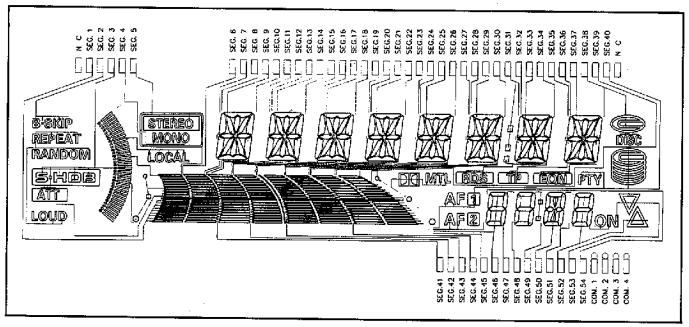
⌐ ¬ ·····This mark shows a mounting position of connector.

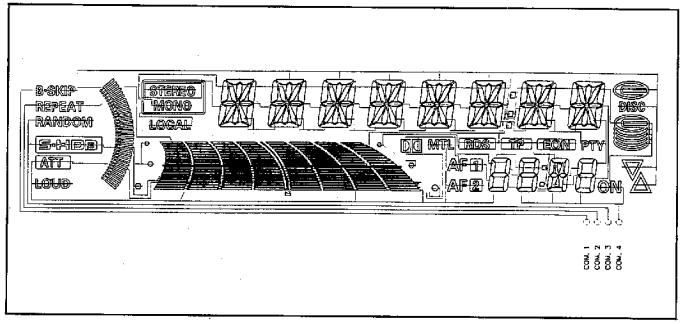
BLOCK DIAGRAM MODELS CQ-DP975/DFX85EUC

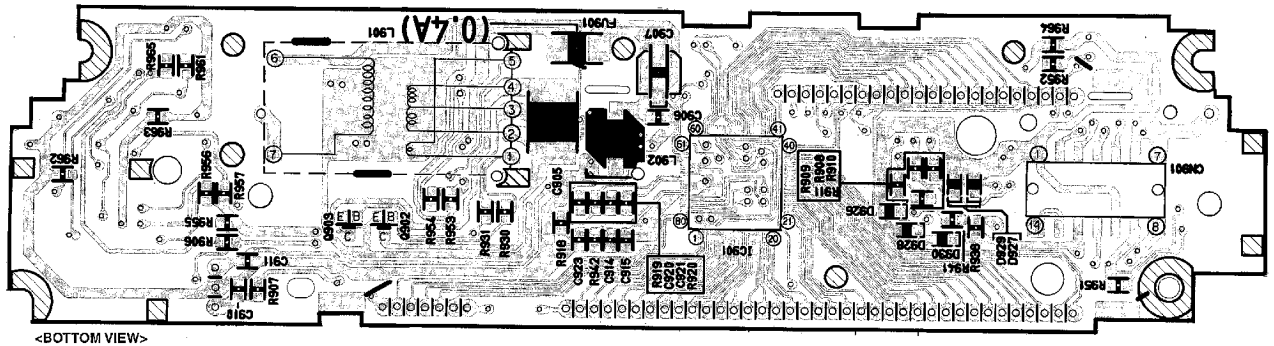


WIRING DIAGRAM (Display Block) MODELS CQ-DP975/DFX85EUC

<LCD901>

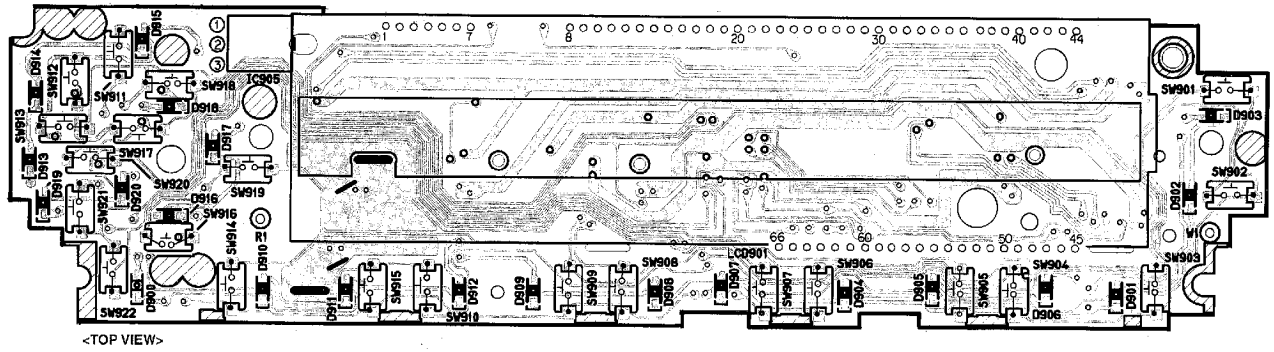






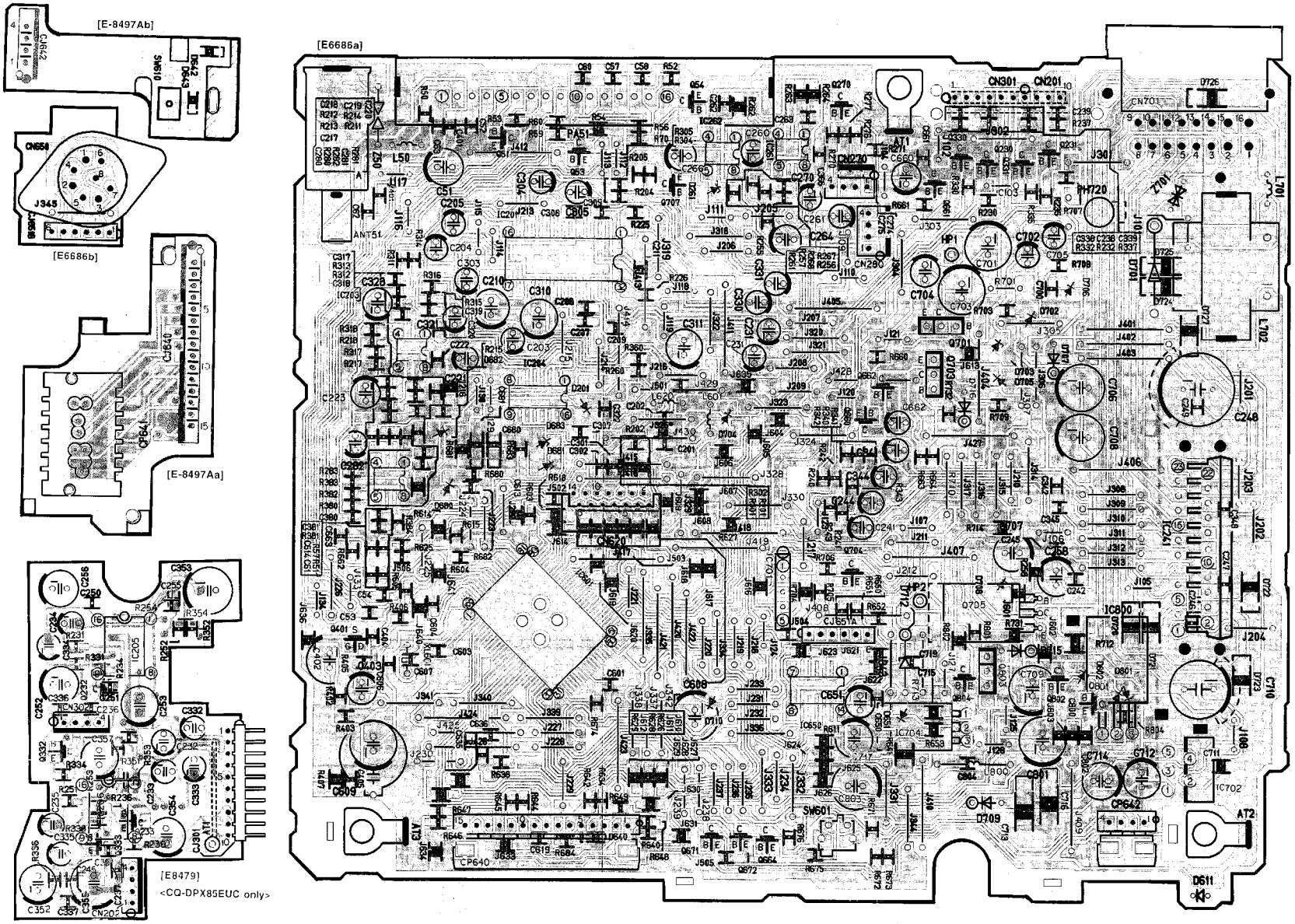
<BOTTOM VIEW>

[E-8476Aa]

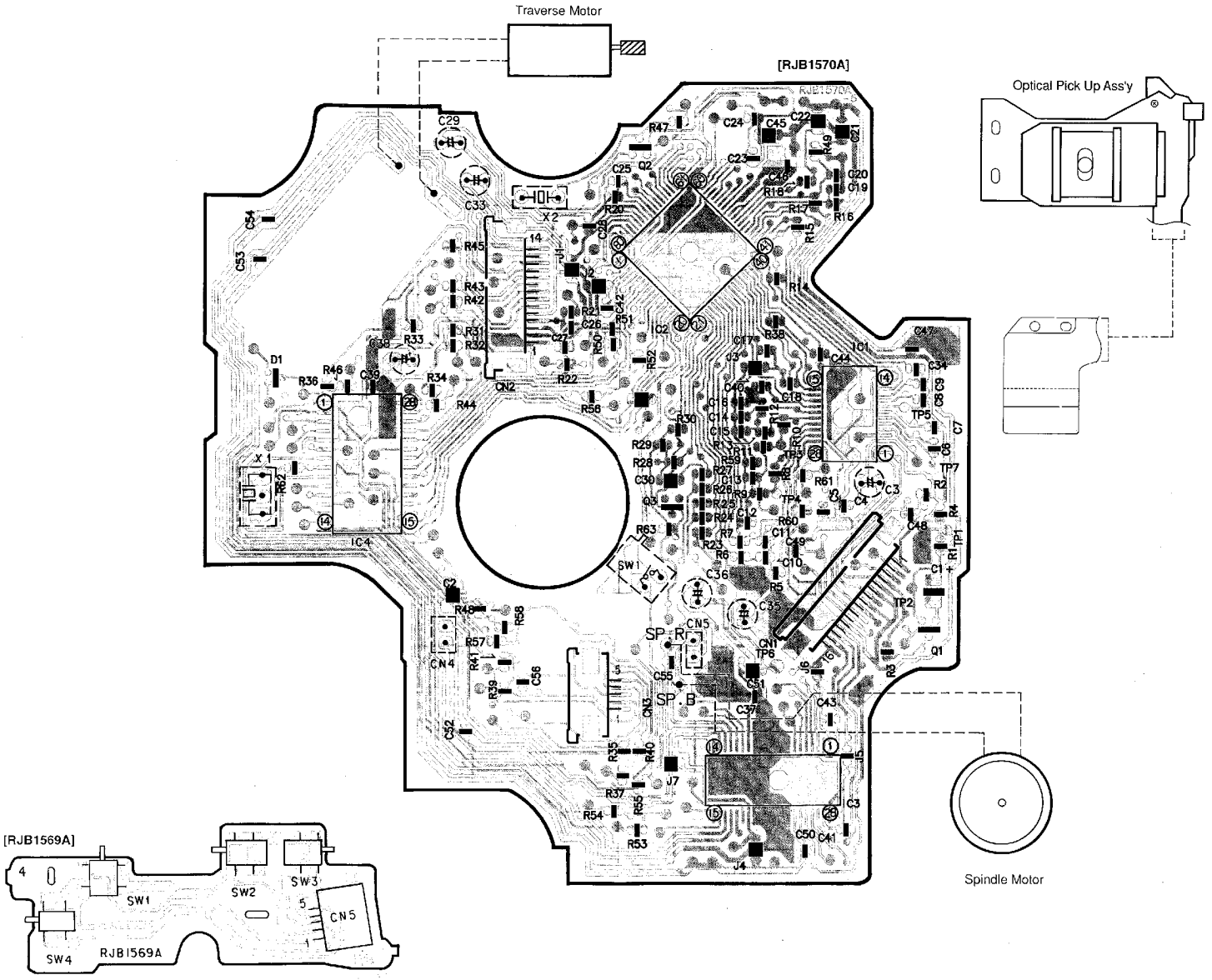


<TOP VIEW>

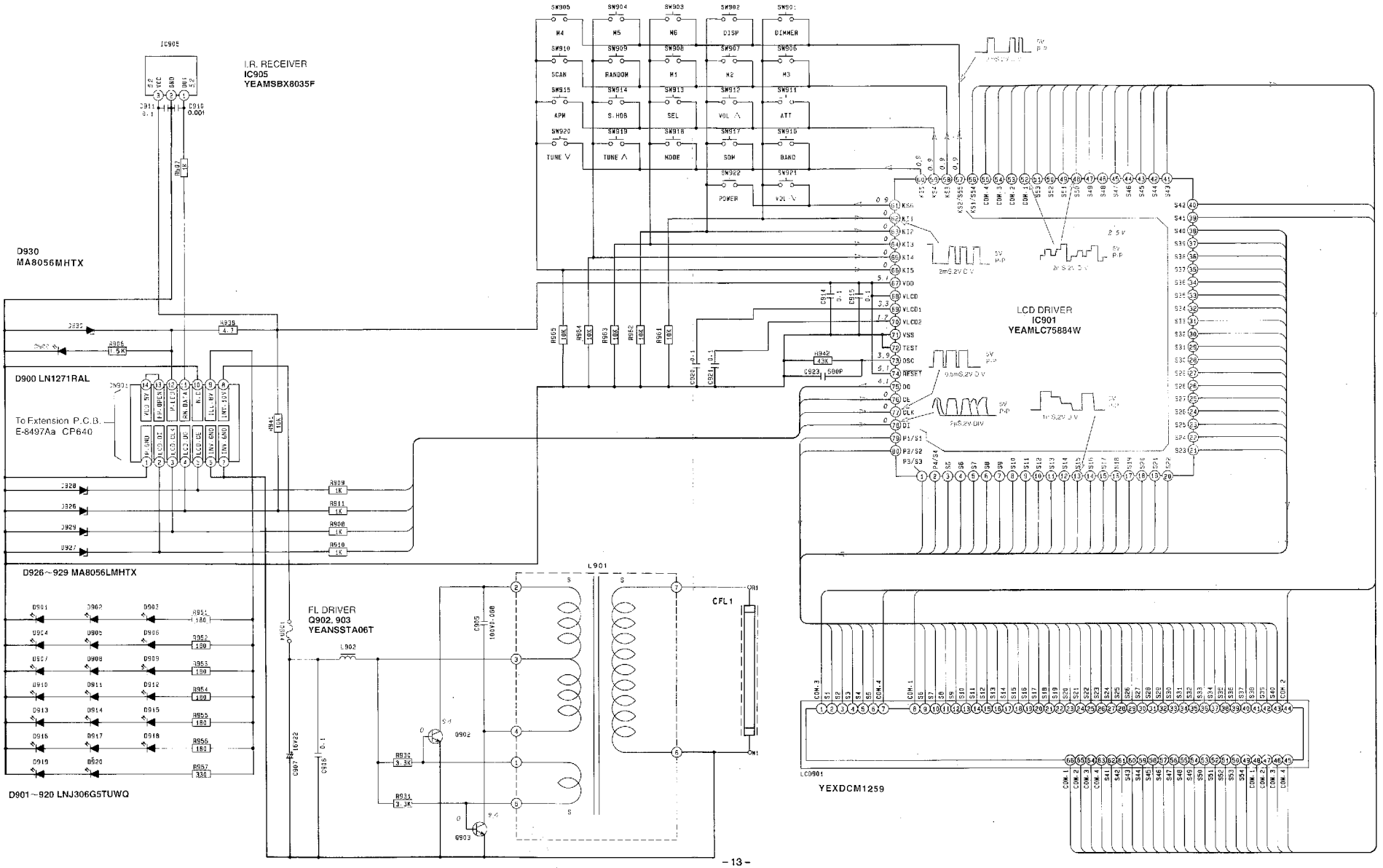
WIRING DIAGRAM (Main Block) MODELS CQ-DP975/DFX85EUC



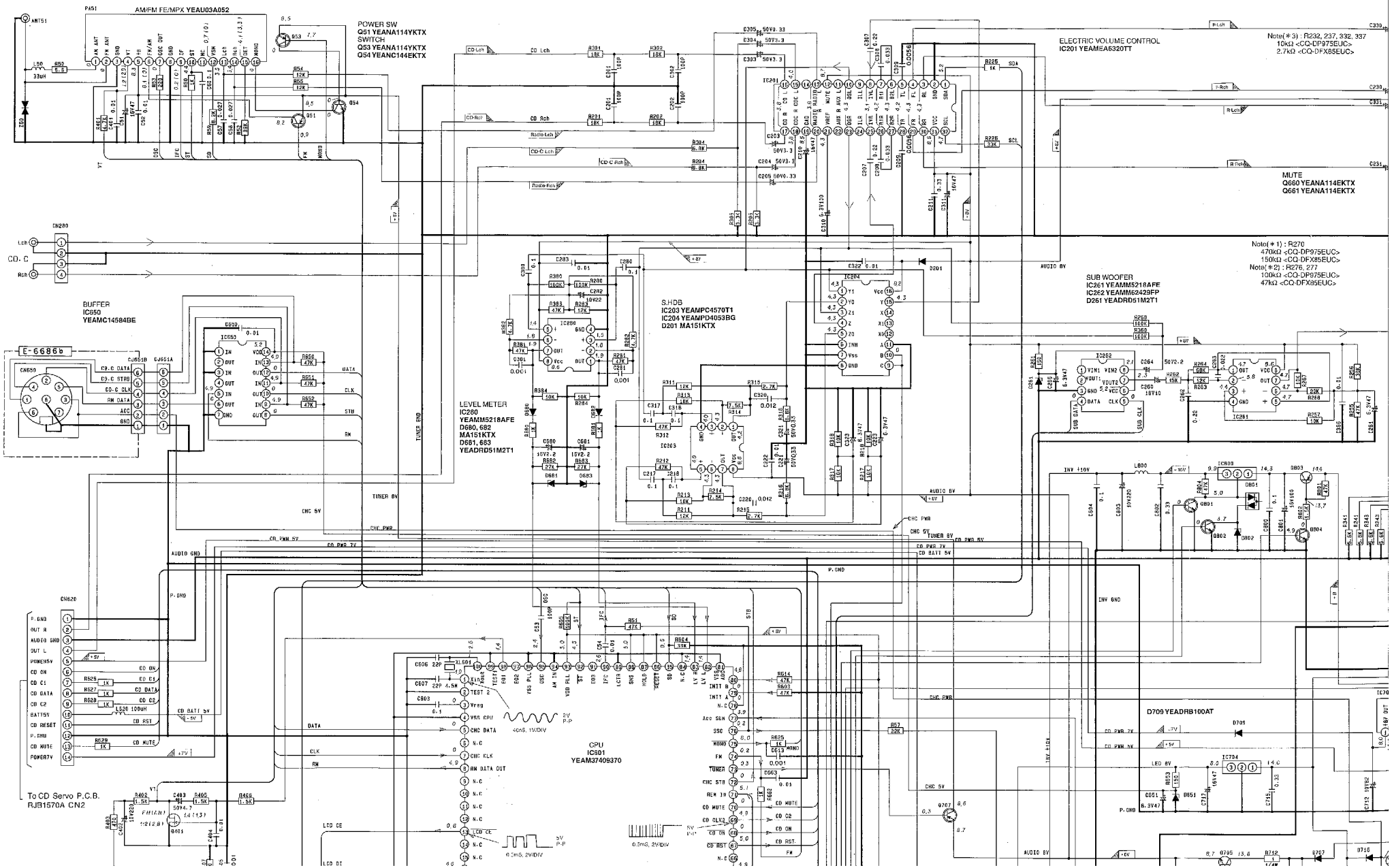
WIRING DIAGRAM (CD Servo Block) MODELS CQ-DP975/DFX85EUC

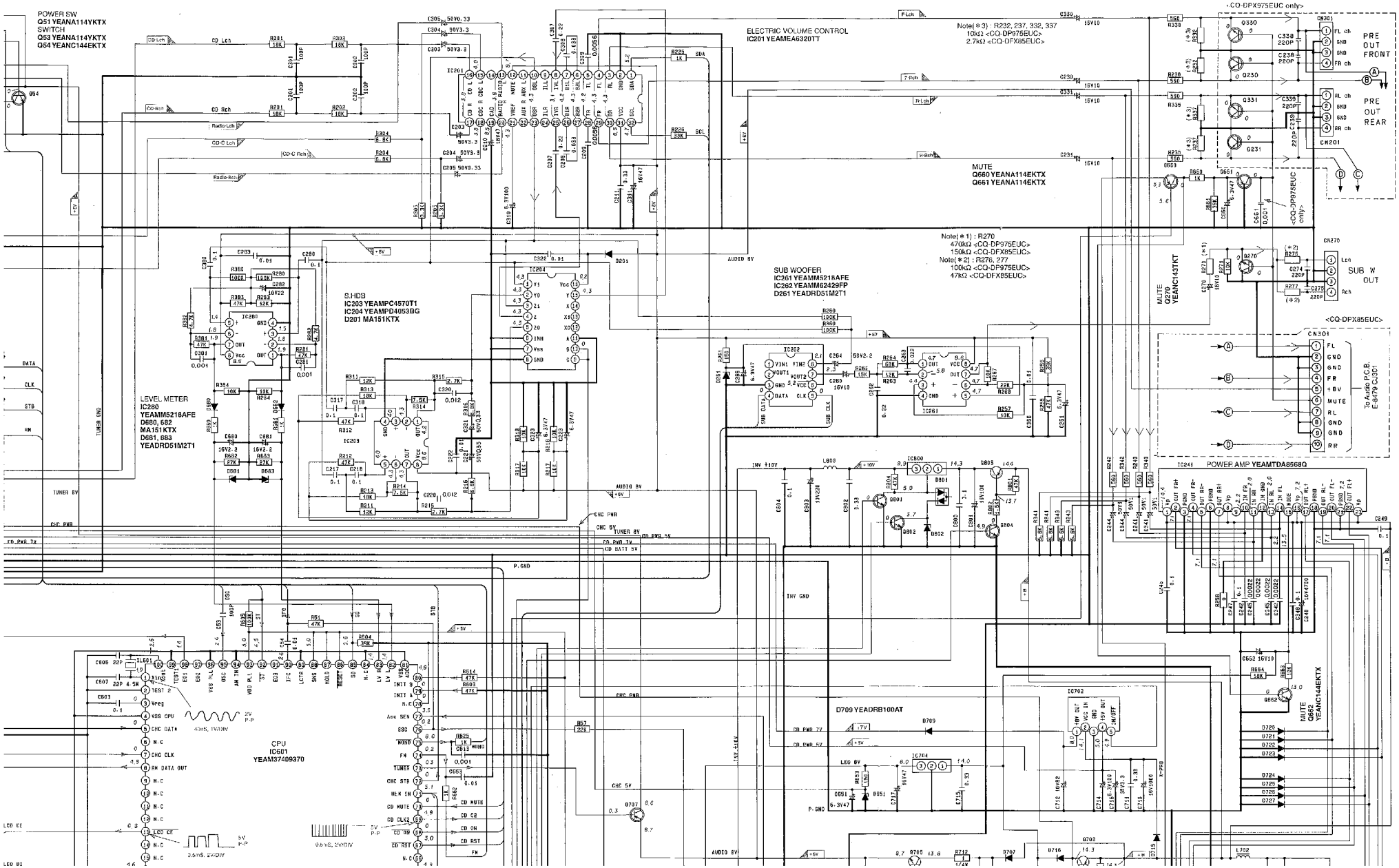


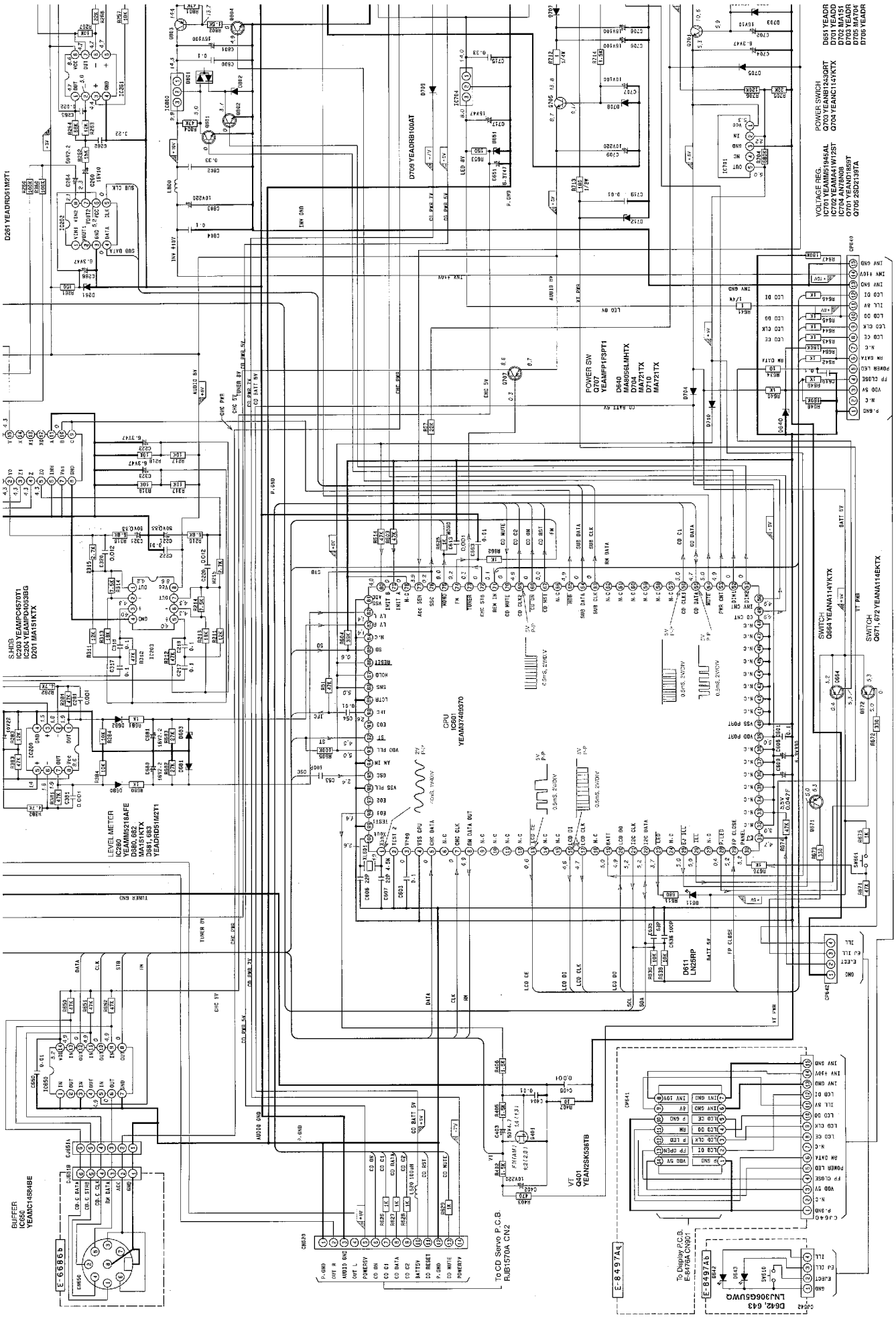
SCHEMATIC DIAGRAM (Display Block) MODELS CQ-DP975/DFX85EUC

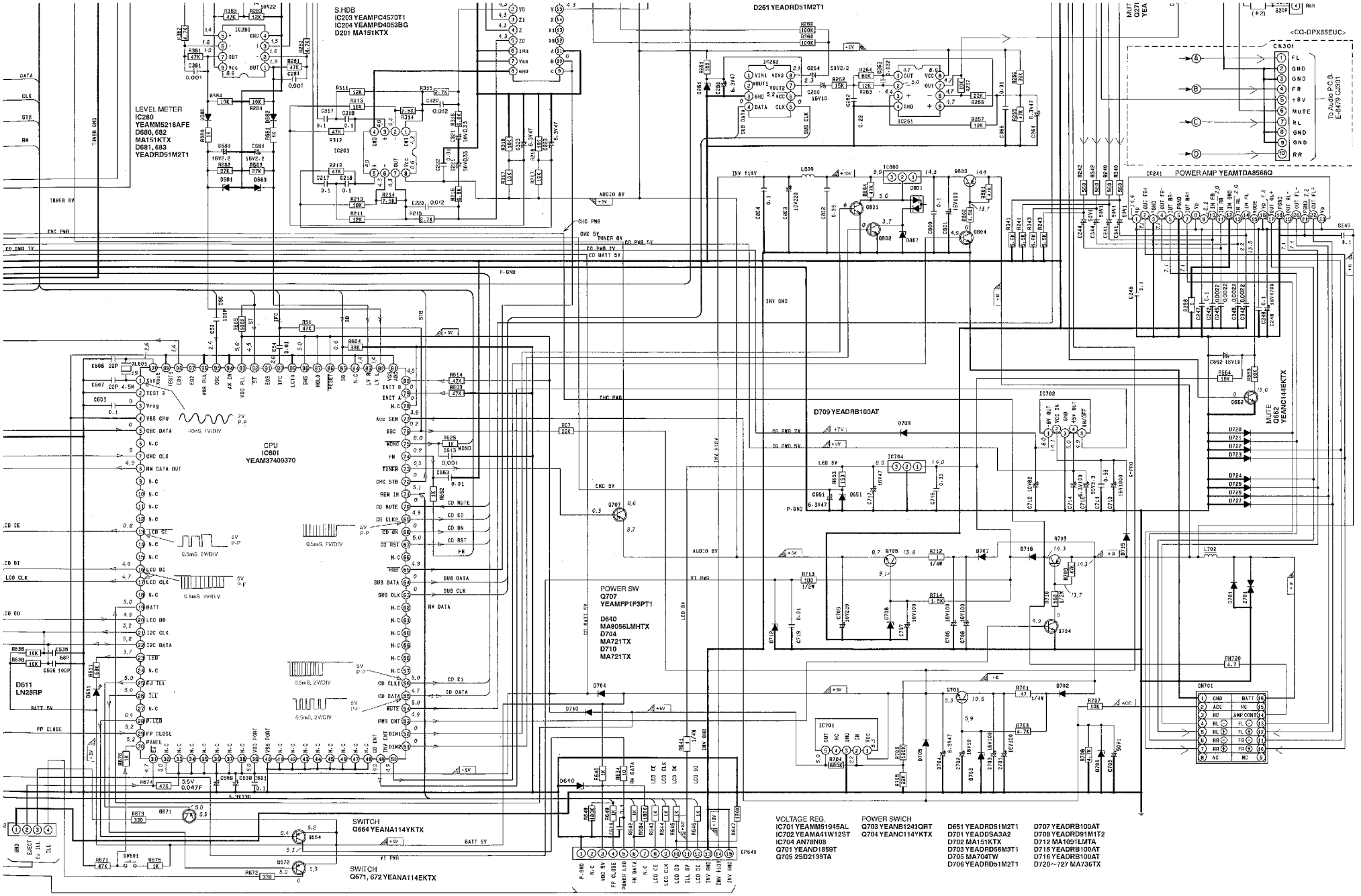


SCHEMATIC DIAGRAM (Main Block) MODELS CQ-DP975/DFX85EUC

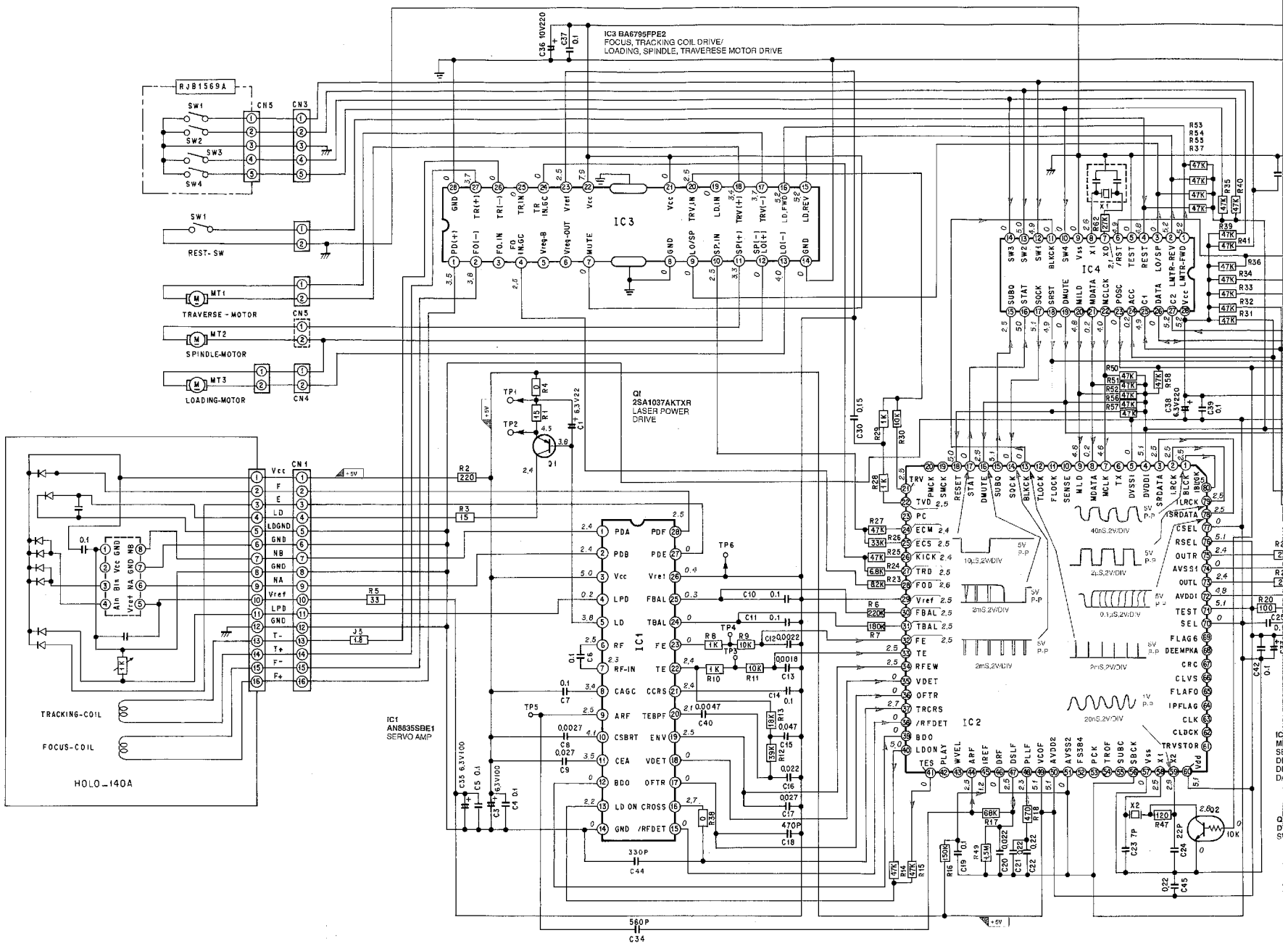



POWER SW
Q51 YEANA114YKTX
SWITCH
Q53 YEANA114YKTX
Q54 YEANC144EKTX
ELECTRIC VOLUME CONTROL
IC201 YEAMEA6320TT
Note(*3) : R232, 237, 332, 337
10kΩ <CQ-DP975EUC>
2.7kΩ <CQ-DFX85EUC>
<CQ-DPX975EUC only>
PRE OUT FRONT
PRE OUT REAR
MUTE
Q660 YEANA114EKTX
Q661 YEANA114EKTX
Note(*1) : R270
470kΩ <CQ-DP975EUC>
150kΩ <CQ-DFX85EUC>
Note(*2) : R276, 277
100kΩ <CQ-DP975EUC>
47kΩ <CQ-DFX85EUC>
SUB W OUT
MUTE
Q270
YEANC143TKT
<CQ-DPX85EUC>
S.HDB
IC203 YEAMPC4570T1
IC204 YEAMPD4053BG
D201 MA151KTX
SUB WOOFER
IC261 YEAMM5218AFE
IC262 YEAMM62429FP
D261 YEADRD51M2T1
LEVEL METER
IC280
YEAMM5218AFE
D680, 682
MA151KTX
D681, 683
YEADRD51M2T1
POWER AMP YEAMTDA8568Q
To Audio P.C.B.
E-8479 CN301
CPU
IC601
YEAM37409370
D709 YEADRB100AT
MUTE
Q662
YEANC144EKTX

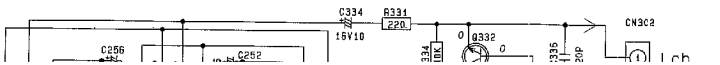

D261 YEADRD51M2T1
D708 YEADRB100AT
POWER SW
Q704 YEAMFP1F3PT1
D640 MA8056GLMHTX
D641 MA721TX
D642 MA721TX
D710 MA721TX
POWER SWITCH
D651 YEADR
D701 YEADD
D702 MA15T
D703 YEAZ5.6DT
D705 MA704
D706 YEADR
Q703 YEANB123Q3ORT
Q704 YEANC114YKTX
VOLTAGE REG.
IC701 YEAMM51945AL
IC702 YEAMA41W12ST
IC704 AN78N08
IC705 YEAMM1563BT
Q705 2SD2139TA
S.HDB
IC203 YEAMPC457DT1
IC204 YEAIPD4053BG
D201 MA151KTX
LEVEL METER
IC260
YEAMM5218AFE
D580, 582
MA151KTX
D581, 583
YEADRD51M2T1
CPU
IC601
YEAM37409370
SWITCH
Q661 YEANA114YKTX
SWITCH
Q671, 672 YEANA114EKTX
D611
LN25RP
BUFFER
IC650
YEAMC14584BE
VT
Q401
YEAN2SK536TB
POWER SW
YEAMFP1F3PT1
To CD Servo P.C.B.
RJB1570A CN2
To Display P.C.B.
E-8476A CN901
D642, 643
LNJ306G5UWG
E-66866
E-8497Aq
E-8497Ab

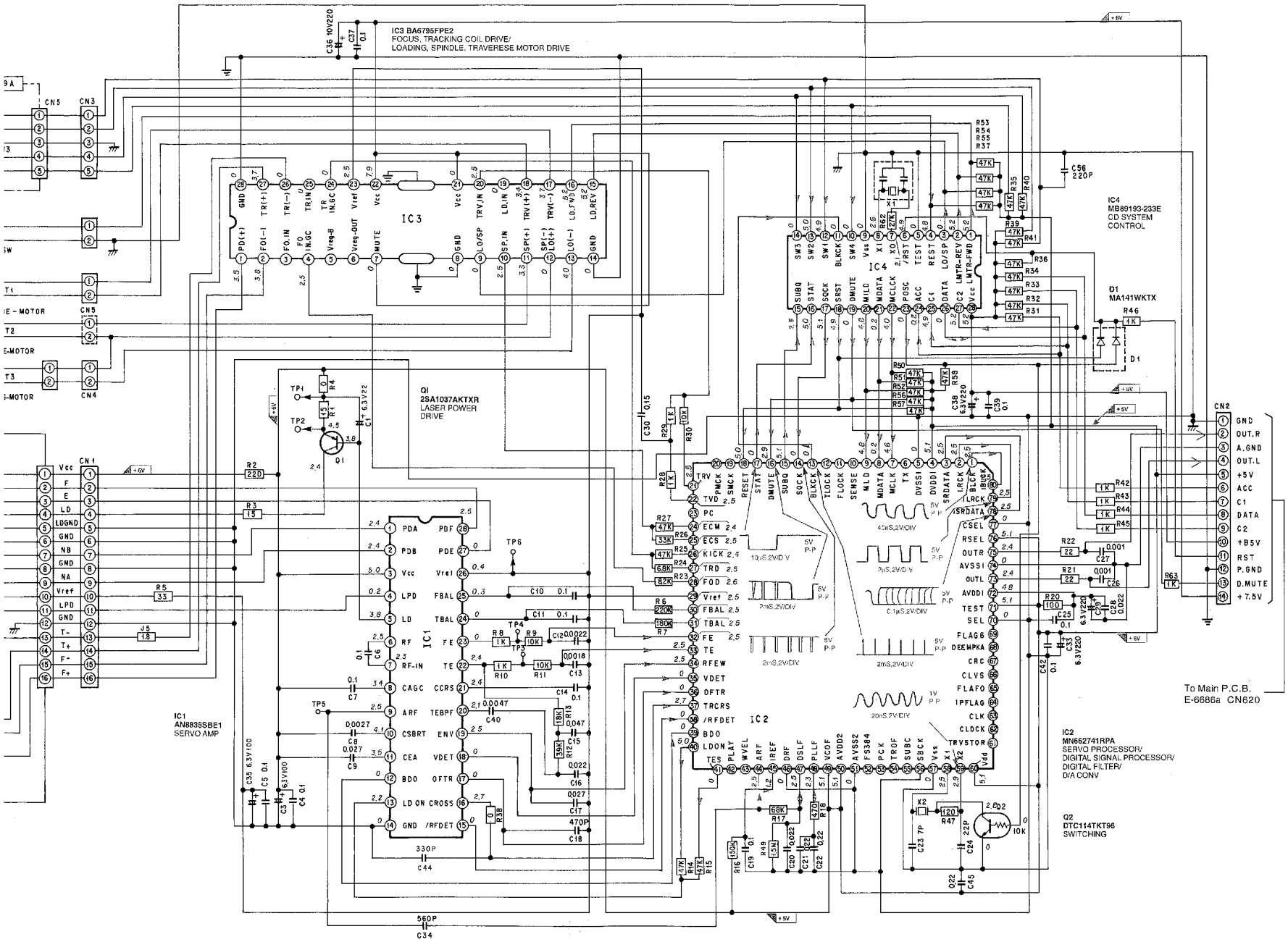

S.HDB
IC203 YEAMPC4570T1
IC204 YEAMPD4053BG
D201 MA151KTX
LEVEL METER
IC280
YEAMM5218AFE
D680, 682
MA151KTX
D681, 683
YEADRD51M2T1
D261 YEADRD51M2T1
<CQ-DPX85EUC>
CN301
To Audio P.C.B.
E-8479 CJ391
IC241 POWER AMP YEAMTDA8568Q
CPU
IC601
YEAM37409370
D709 YEADRB100AT
POWER SW
Q707
YEAMFP1F3PT1
D640
MA8056LMHTX
D704
MA721TX
D710
MA721TX
D611
LN25RP
SWITCH
Q664 YEANA114YKTX
SWITCH
Q671, 672 YEANA114EKTX
MUTE
Q662
YEANC144EKTX
CN701
VOLTAGE REG.
IC701 YEAMM51945AL
IC702 YEAMA41W12ST
IC704 AN78N08
Q701 YEAND1859T
Q705 2SD2139TA
POWER SWICH
Q703 YEANB1243QRT
Q704 YEANC114YKTX
D651 YEADRD51M2T1
D701 YEADDSA3A2
D702 MA151KTX
D703 YEADRD56M3T1
D705 MA704TW
D706 YEADRD51M2T1
D707 YEADRB100AT
D708 YEADRD91M1T2
D712 MA1091LMTA
D715 YEADRB100AT
D716 YEADRB100AT
D720~727 MA736TX

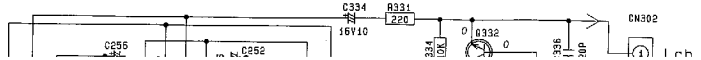
SCHEMATIC DIAGRAM (CD Servo Block) MODELS CQ-DP975/DFX85EUC

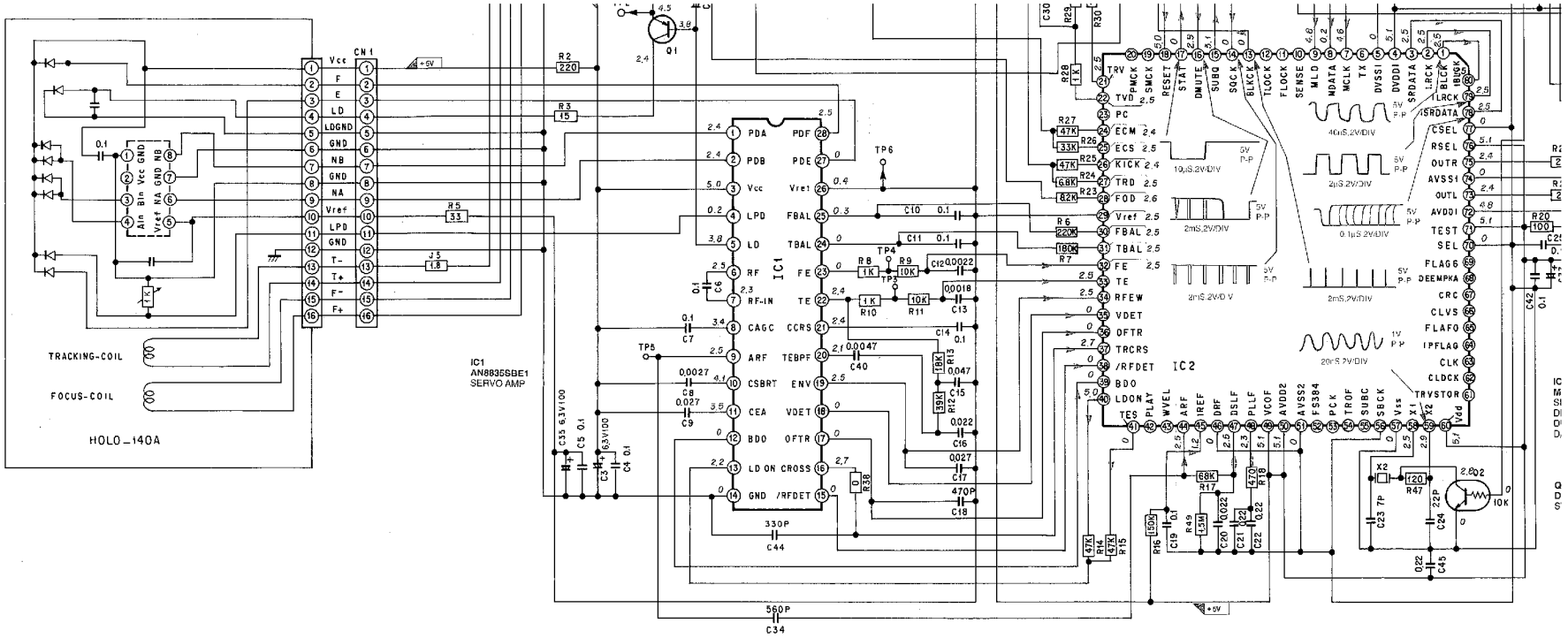


SCHEMATIC DIAGRAM (Pre. AMP Block) MODEL CQ-DFX85EUC

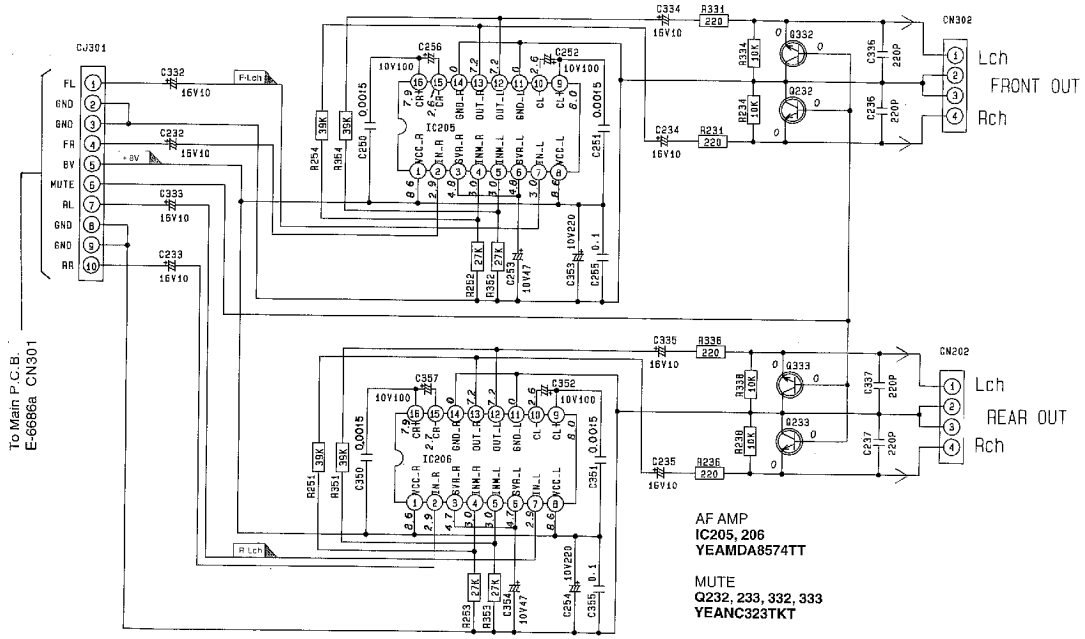



IC3 BA6795FPE2
FOCUS, TRACKING COIL DRIVE/
LOADING, SPINDLE, TRAVERESE MOTOR DRIVE
IC3
IC4
MB89193-233E
CD SYSTEM
CONTROL
Q1
2SA1037AKTXR
LASER POWER
DRIVE
IC1
AN8835SBE1
SERVO AMP
IC2
MN662741RPA
SERVO PROCESSOR/
DIGITAL SIGNAL PROCESSOR/
DIGITAL FILTER/
D/A CONV
Q2
DTC114TKT96
SWITCHING
D1
MA141WKTX
To Main P.C.B.
E-6686a CN620



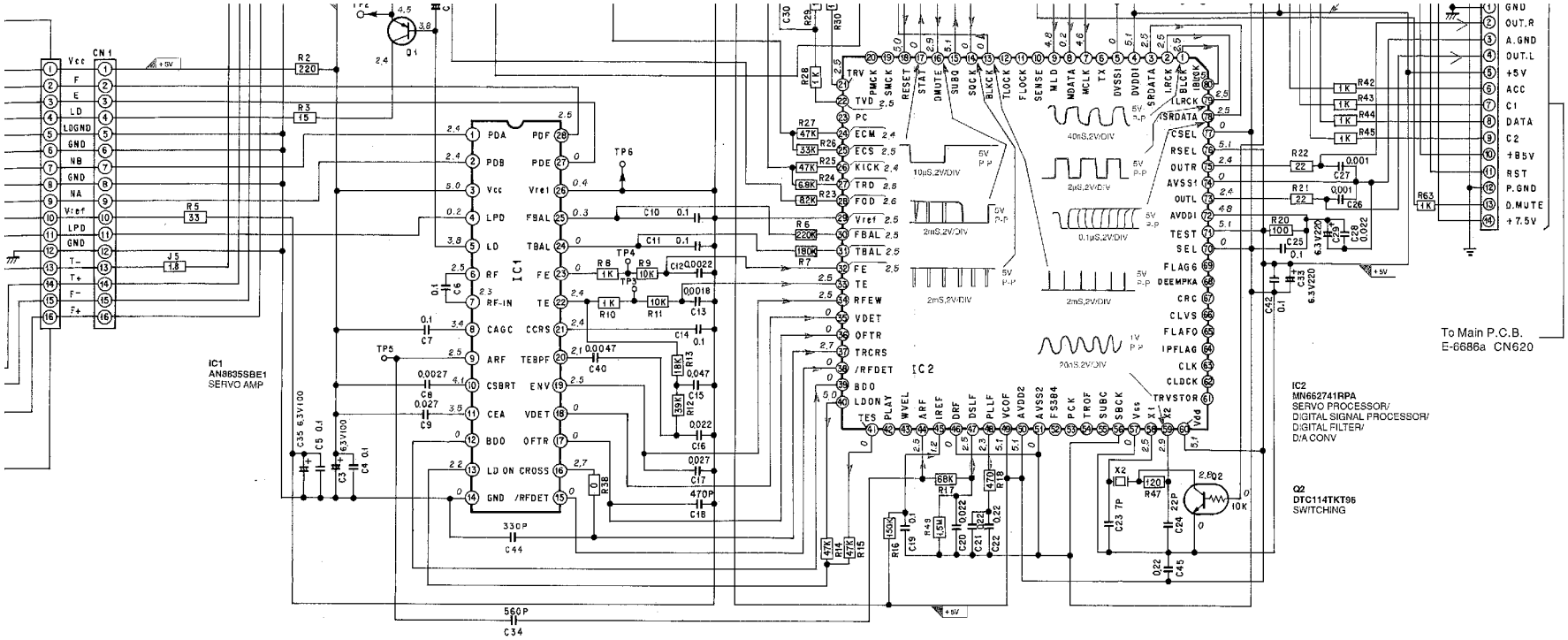


SCHEMATIC DIAGRAM (Pre. AMP Block) MODEL CQ-DFX85EUC

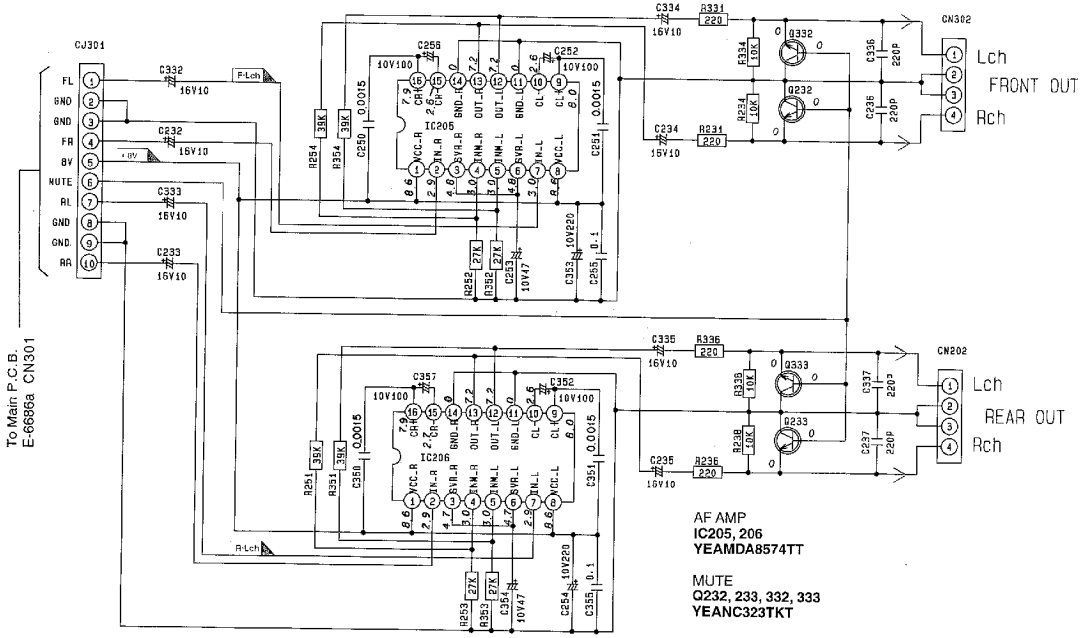


AF AMP
IC205, 206
YEAMDA8574TT

MUTE
Q232, 233, 332, 333
YEANC323TKT


IC1
AN8835SBE1
SERVO AMP
IC2
MN662741RPA
SERVO PROCESSOR/
DIGITAL SIGNAL PROCESSOR/
DIGITAL FILTER/
D/A CONV
Q2
DTC114TKT96
SWITCHING
To Main P.C.B.
E-6686a CN620

-DFX85EUC


To Main P.C.B.
E-6686a CN301
Lch
FRONT OUT
Rch
Lch
REAR OUT
Rch
AF AMP
IC205, 206
YEAMDA8574TT
MUTE
Q232, 233, 332, 333
YEANC323TKT

TERMINALS DESCRIPTION

■ IC601 YEAM37409370

Pin No.	Port	Description	I/O	Vol.(V)
1	XIN	Crystal oscillator	—	1.9
2	TEST2	(Connecting to ground)	—	0
3	VREG	Voltage regulator capacitor	—	0
4	VSS	Ground	—	0
5	CHC DATA	CD changer data	I	0
6	N.C.	No connection	—	—
7	CHC CK	CD changer clock	I	0
8	RM DATA	Remocon data	O	4.9
9~12	N.C.	No connection	—	—
13	/LCD CE	LCD chip enable	O	0.6
14, 15	N.C.	No connection	—	—
16	LCD DI	LCD data	O	4.6
17	LCD CLK	LCD clock	O	4.7
18	N.C.	No connection	—	—
19	BATT	Battery detection	I	5.0
20	LCD DO	LCD data	I	4.9
21	I2C CLK	Electric volume cont. clock	O	5.2
22	I2C DATA	Electric volume cont. data	I/O	5.2
23	/LED	Security LED control	O	3.7
24	N.C.	No connection	—	—
25	/EJ ILL	Eject illumi. control	O	5.0
26	/ILL	Illumi. control	O	5.0
27	N.C.	No connection	—	—
28	/P. LED	Panel LED control	O	0.4
29	FP CLOSE	Front panel close SW	I	5.2
30	PANEL	Panel detection SW	I	5.2
31	/EJ	Eject SW	I	4.7
32~38	N.C.	(Connecting to VDD)	—	5.0
39	VDD	+5V power supply	—	5.0
40	VSS	Ground	—	0
41~48	N.C.	(Connecting to ground)	—	0
49	CD CNT	CD power control	O	4.9
50	INV CNT	Invertor control	O	4.9
51	DIM 2	Dimmer control	O	0
52	DIM 1	Dimmer control	O	0
53	PWR CNT	Power control	O	4.9
54	/MUTE	Mute control	O	5.0
55	CD DATA	CD data	I/O	4.7
56	CD CLK1	CD clock	O	5.0

Pin No.	Port	Description	I/O	Vol.(V)
57~62	N.C.	No connection	—	—
63	SUB CLK	Sub. woofer clock	O	0
64	SUB DATA	Sub. woofer data	O	0
65	/HDB	HDB control	O	4.9
66	N.C.	No connection	—	—
67	/CD RST	CD reset	O	5.0
68	/CD ON	CD power on	O	0
69	CD CLK2	CD clock	O	4.9
70	CD MUTE	CD mute	I	0
71	REM IN	Remocon data	I	5.1
72	CHC STB	CD changer strobe	O	0
73	/TUNER	Tunner power control	O	0.3
74	FM	FM power control	O	0.2
75	/MONO	Mono/Stereo selection	O	8.0
76	SSC	Search stop clear	O	0.2
77	ACC SEN	ACC detection	I	3.9
78	N.C.	(Connecting to ground)	—	0
79	INIT A	Initial value	I	0
80	INIT B	Initial value	I	4.8
81	ADC VSS	ADC ground	—	0
82	LV L	Lch level deteciton	I	1.4
83	LV R	Rch level detection	I	1.4
84	N.C.	(Connecting to ground)	—	0
85	SD	B/S detection	I	0.6
86	/RESET	(Connecting to V_{DD})	—	5.0
87	HOLD	(Connecting to V_{DD})	—	5.0
88	SNS	(Connecting to V_{DD})	—	5.0
89	LCTR	(Connecting to ground)	—	0
90	IFC	Radio IF control	O	2.6
91	E03	Not used	—	—
92	/ST	FM stereo detection	I	4.5
93	PLL VDD	+5V power supply	—	5.0
94	AM IN	(Connecting to ground)	—	0
95	OSC	Radio oscillator	I	2.4
96	PLL VSS	PLL ground	—	0
97	E02	Not used	—	—
98	E01	PLL phase-comp. error	O	1.4
99	TEST1	(Connecting to ground)	—	0
100	XOUT	Crystal oscillator	—	2.6

<Display Block>

■ IC901 YEAMLC75884W

Pin No.	Port	Description	I/O	Vol.(V)
1~51	S3~53	LCD segment data	O	2.5
52~55	COM1~4	LCD common	O	2.5
56	S54	LCD segment data	O	2.5
57~61	KS2~6	Key strobe	O	0.9
62~66	KI1~5	Key data	I	0
67	VDD	+5V power supply	—	5.1
68	VLCD	+5V power supply	—	5.1
69	VLCD1	LCD angle	—	3.3
70	VLCD2	LCD angle	—	1.7

Pin No.	Port	Description	I/O	Vol.(V)
71	Vss	Ground	—	0
72	TEST	(Connecting to ground)	—	0
73	OSC	Oscillator terminal	—	3.9
74	/RESET	(Connecting to Vcc)	—	5.1
75	DO	Key data output	O	4.1
76	CE	LCD driver chip enable	I	0
77	CLK	LCD clock	I	0
78	DI	LCD data	I	0
79, 80	S1, 2	LCD segment data	O	2.5

<CD Servo Block>

■ IC2 MN662741RPA

Pin No.	Port	Description	I/O	Vol.(V)
1	BCLK	Bit clock output	O	2.5
2	LRCK	L/R select output	O	2.5
3	SRDATA	Serial data output	O	2.5
4	DV_{DD1}	+5V digital power supply	—	5.1
5	DV_{SS1}	Digital ground	—	0
6	TX	Not used	—	—
7	MCLK	MPU command clock	I	4.6
8	MDATA	MPU command data	I	0.2
9	MLD	MPU command load	I	4.8
10	SENSE	Not used	—	—
11	/FLOCK	Not used	—	—
12	/TLOCK	Not used	—	—
13	BLKCK	Sub-code block clock	O	0
14	SQCK	Q code external clock	I	0
15	SUBQ	Q code output	O	5.1
16	DMUTE	Mute input	I	2.9
17	STAT	Status output	O	0
18	/RST	Reset input	I	5.0
19, 20		Not used	—	—
21	TRV	Forced traverse output	—	2.5
22	TVD	Traversed drive output	O	2.5
23	PC	Not used	—	—
24	ECM	Spindle motor drive	O	2.4
25	ECS	Spindle motor drive	O	2.5
26	KICK	Kick pulse output	O	2.4
27	TRD	Tracking drive	O	2.5
28	FOD	Focus drive	O	2.6
29	VREF	D/A reference voltage	I	2.5
30	FBAL	Focus balance adjust	O	2.5
31	TBAL	Tracking balance adjust	O	2.5
32	FE	Focus error signal	I	2.5
33	TE	Tracking error signal	I	2.5
34	RFENV	RF envelope signal	I	2.5
35	VDET	Vibration detection	I	0

Pin No.	Port	Description	I/O	Vol.(V)
36	OFTR	Off track signal	I	0
37	TRCRS	Track closs signal	I	2.7
38	/RFDET	RF detection signal	I	0
39	BDO	Drop out signal	I	0
40	LDON	Laser on/off control	O	5.0
41	TES	Tracking error shunt	O	0
42	PLAY	Not used	—	—
43	WVEL	Not used	—	—
44	ARE	RF signal	I	2.5
45	IREF	Reference current input	I	1.2
46	DRF	Connecting to ground	—	0
47	DSLF	DSL loop filter	I/O	2.5
48	PLLF	PLL loop filter	I/O	2.3
49	VCOF	Connecting to V_{DD}	—	5.1
50	AV_{DD2}	+5V analog power supply	—	5.1
51	AF_{SS2}	Analog ground	—	0
52~55		Not used	—	—
56	SBCK	(Connecting to ground)	—	0
57	V_{SS}	Ground	—	0
58	X1	Crystal oscillator	—	2.5
59	X2	Crystal oscillator	—	2.9
60	V_{DD}	+5V power supply	—	5.1
61~69		Not used	—	—
70	/RST2	Connecting to ground	—	0
71	/TEST	Connecting to V_{DD}	—	5.1
72	AV_{DD1}	+5V analog power supply	—	4.8
73	OUTL	Audio Lch output	O	2.4
74	AV_{SS1}	Analog ground	—	0
75	OUTR	Audio Rch output	O	2.4
76	RSEL	Connecting to V_{DD}	I	5.1
77	CSEL	Connecting to ground	—	0
78	ISRDATA	Serial data input	I	2.5
79	ILRCK	L/R select input	I	2.5
80	IBCLK	Bit clock input	I	2.5

■ IC4 MB89193-233E

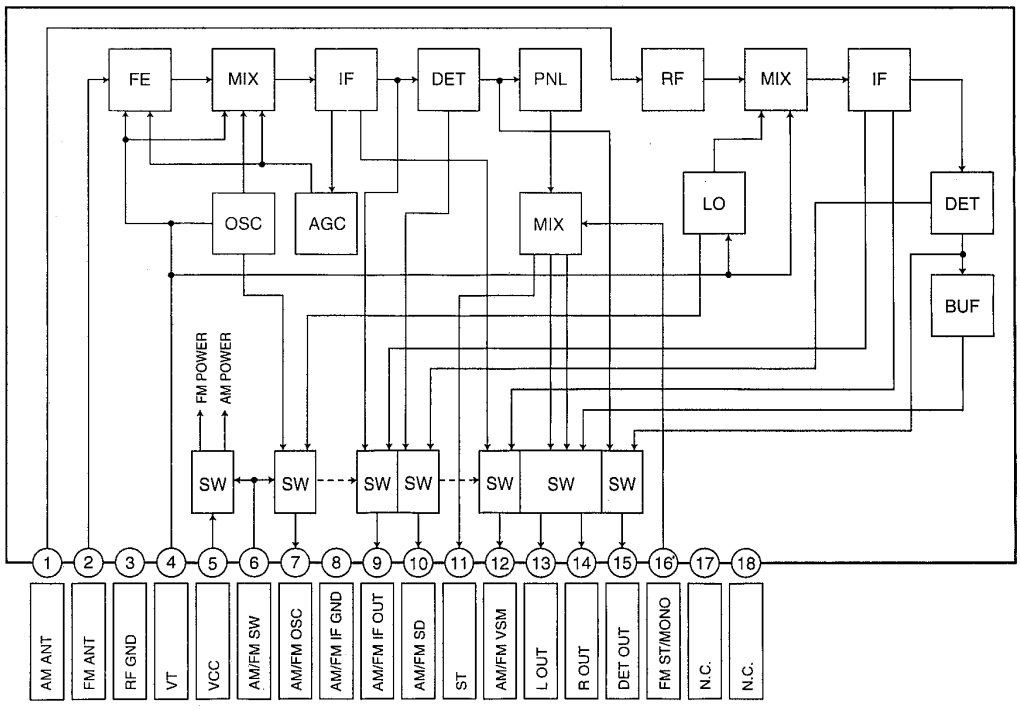
Pin. No	Port	Description	I/O	Vol. (V)
1	LMTR_FWD	Foward Limiter	O	5.2
2	LMTR_REV	Reverse Limiter	O	5.2
3	LO/SP	Motor control	O	0
4	REST	Reset	I	4.8
5	TEST	(Connecting to ground)	—	0
6	/RST	Reset	I	4.9
7	X0	Crystal oscillator	—	2.1
8	X1	Crystal oscillator	—	2.6
9	Vss	Ground	—	0
10	SW4	Switch input	I	0
11	BLKCK	Sub-code block clock	I	0
12	SW1	Switch input	I	4.9
13	SW2	Switch input	I	5.0
14	SW3	Switch input	I	0

Pin. No	Port	Description	I/O	Vol. (V)
15	SUBQ	Q code input	I	2.5
16	STAT	Status input	I	5.0
17	SQCK	Q code external clock	O	5.1
18	SRST	Reset output	O	4.9
19	DMUTE	Mute output	O	0
20	MLD	MPU command load	O	4.8
21	MDATA	MPU command data	O	0.2
22	MCLCK	MPU command clock	O	4.6
23	POSC	Oscillator control	O	0
24	ACC	ACC input	I	0.2
25	C1	CD clock	I	4.9
26	DATA	CD data	I/O	0
27	C2	CD clock	I	5.2
28	Vcc	+5V power supply	—	5.2

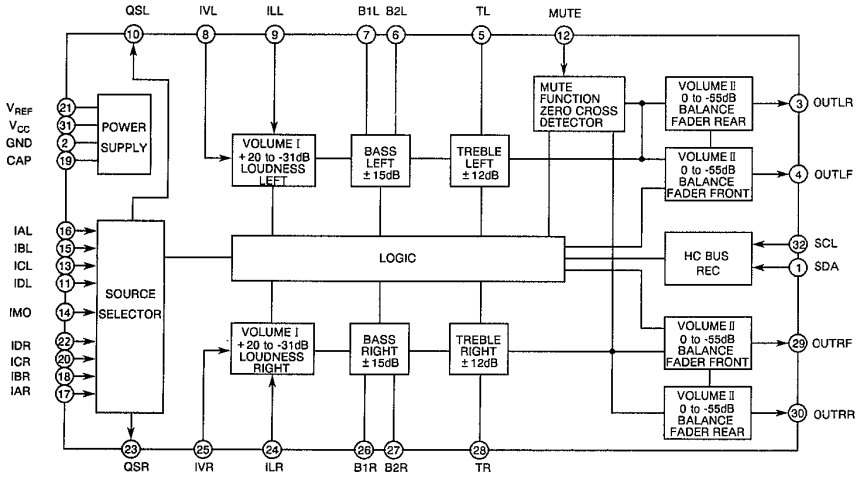
PACKAGE AND IC BLOCK DIAGRAM

<Main Block>

● **PA51**
YEAU03A052



● **IC201 YEAMEA6320TT**



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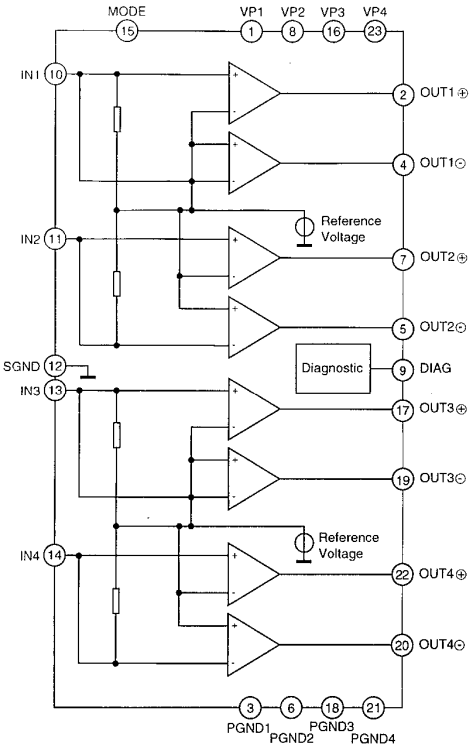
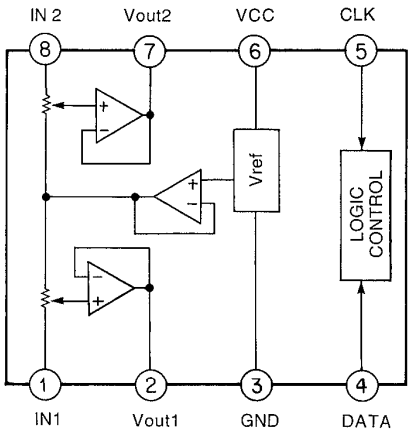
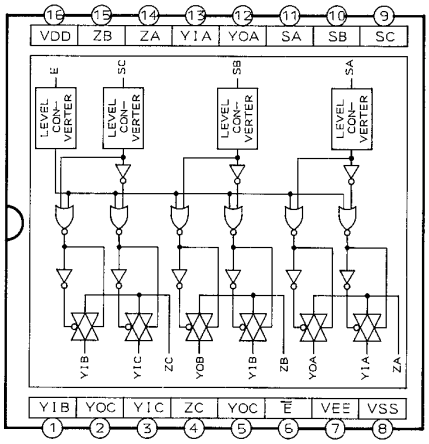


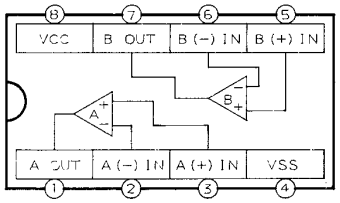
● IC262 YEAMM62429FP



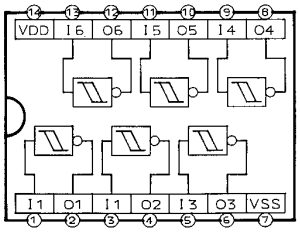
● IC204 YEAMPD4053BG



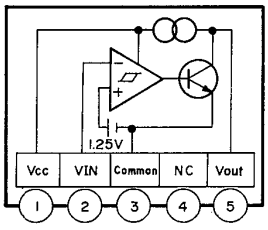
● IC203 YEAMPC4570T1 IC261, 280 YEAMM5218AFE



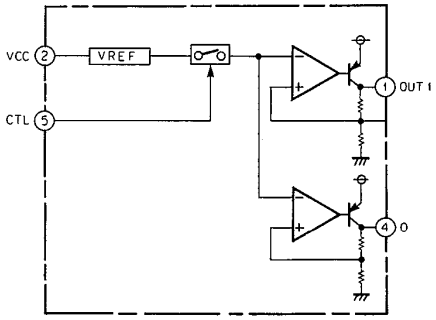
● IC650 YEAMC14584BE



● IC701 YEAMM51945AL



● IC702 YEAMA41W12ST



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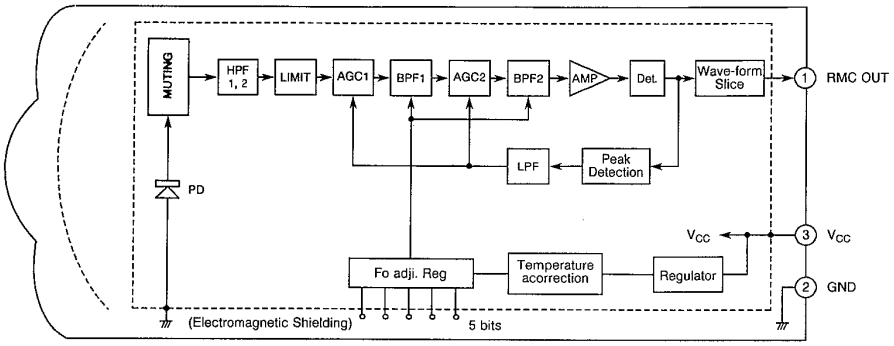
● **IC905 YEAMSBX8035F**



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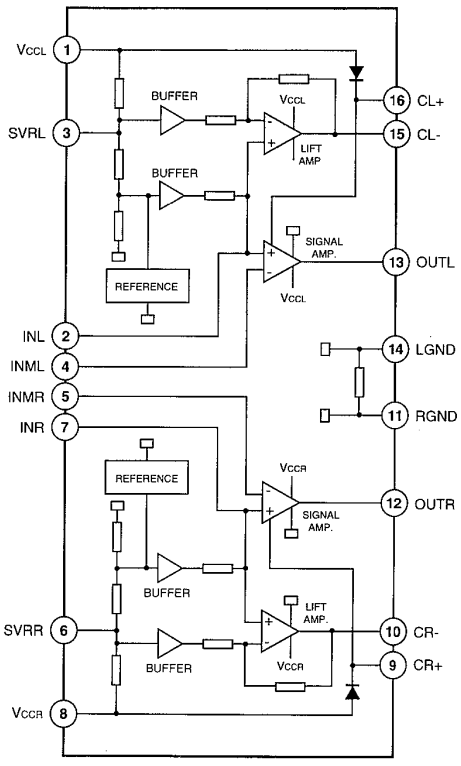
● **IC205, 206**
YEAMDA8574TT



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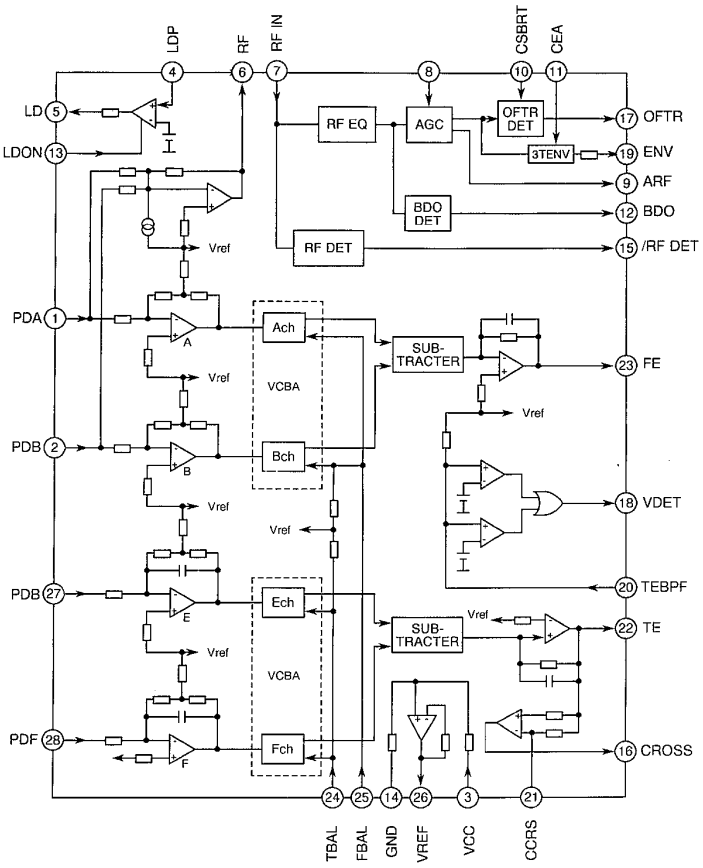
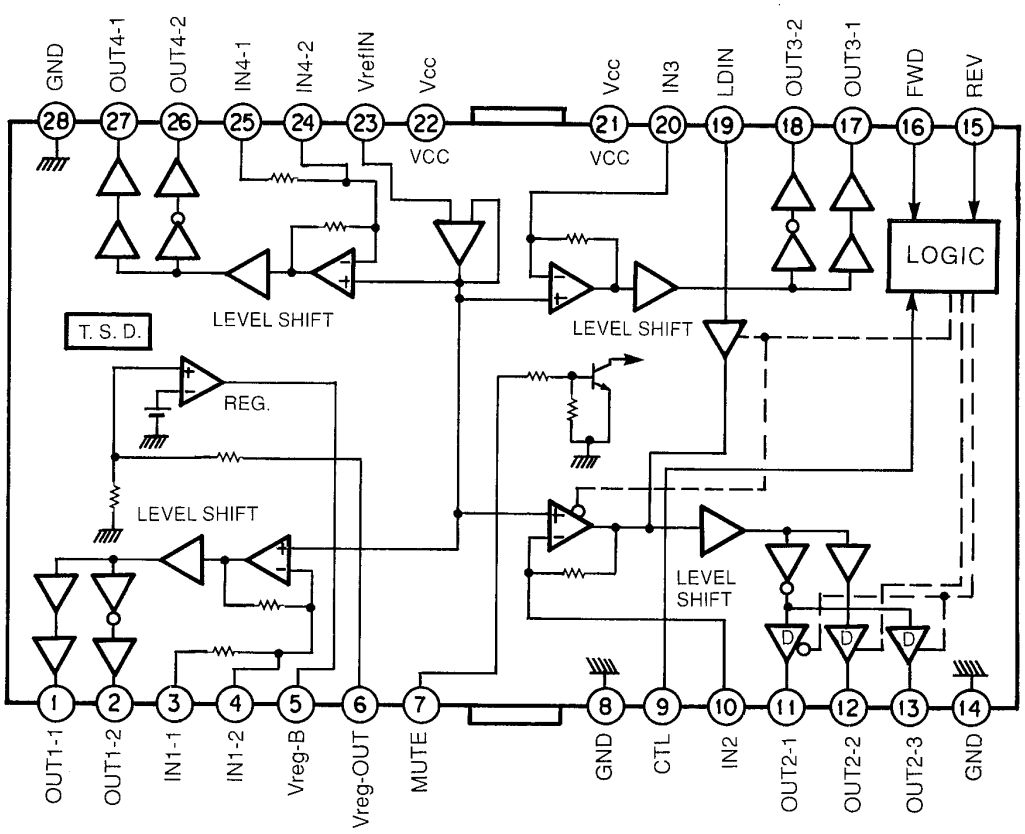
● **IC1 AN8835SBE1**



● IC3 BA6795FPE2



1 Replacement Parts List

Note :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

1.1. IC's and Transistors

MAIN BLOCK [E6686]

Ref. No.	Part No.	Part Name & Description	Remarks
IC201	YEAMEA6320TT	IC	
IC203	YEAMPC4570T1	IC	
IC204	YEAMPD4053BG	IC	
IC241	YEAMTDA8568Q	IC	
IC261	YEAMM5218AFE	IC	
IC262	YEAMM62429FP	IC	
IC280	YEAMM5218AFE	IC	
IC601	YEAM37409370	IC	
IC650	YEAMC14584BE	IC	
IC701	YEAMM51945AL	IC	
IC702	YEAMA41W12ST	IC	
IC704	AN78N08	IC	
IC800	AN7805F	IC	
PA51	YEAU03A052	Electronic Tuner	
Q51	YEANA114YKTX	Transistor	
Q53	YEANA114YKTX	Transistor	
Q54	YEANC144EKTX	Transistor	
Q230	YEANC143TKT	(CQ-DP975EUC) Transistor	
Q231	YEANC143TKT	(CQ-DP975EUC) Transistor	
Q270	YEANC143TKT	Transistor	
Q330	YEANC143TKT	(CQ-DP975EUC) Transistor	
Q331	YEANC143TKT	(CQ-DP975EUC) Transistor	
Q401	YEAN2SK536TB	Transistor	
Q660	YEANA114EKTX	Transistor	
Q661	YEANA114EKTX	Transistor	
Q662	YEANC144EKTX	Transistor	
Q664	YEANA114YKTX	Transistor	
Q671	YEANA114EKTX	Transistor	
Q672	YEANA114EKTX	Transistor	
Q701	YEAND1859T	Transistor	
Q703	YEANB1243QRT	Transistor	
Q704	YEANC114YKTX	Transistor	
Q705	2SD2139TA	Transistor	
Q707	YEANFP1F3PT1	Transistor	
Q801	YEANC144EKTX	Transistor	
Q802	YEANC144EKTX	Transistor	
Q803	YEANB1236AT	Transistor	
Q804	YEANC114YKTX	Transistor	

DISPLAY BLOCK [E8476A]

Ref. No.	Part No.	Part Name & Description	Remarks
IC901	YEAMLC75884W	IC	
IC905	YEAMSBX8035F	IC	
Q902	YEANSSTA06T	Transistor	
Q903	YEANSSTA06T	Transistor	

AUDIO BLOCK [E8479] (CQ-DFX85EUC)

Ref. No.	Part No.	Part Name & Description	Remarks
IC205	YEAMDA8574TT	(CQ-DFX85EUC) IC	
IC206	YEAMDA8574TT	(CQ-DFX85EUC) IC	
Q232	YEANC323TKT	(CQ-DFX85EUC) Transistor	
Q233	YEANC323TKT	(CQ-DFX85EUC) Transistor	
Q332	YEANC323TKT	(CQ-DFX85EUC) Transistor	
Q333	YEANC323TKT	(CQ-DFX85EUC) Transistor	

1.2. Diodes

MAIN BLOCK [E6686]

Ref. No.	Part No.	Part Name & Description	Remarks
D201	MA151KTX	Diode	
D261	YEADRD51M2T1	Diode	
D611	LN25RP	LED	
D640	MA8056LMHTX	Diode	
D651	YEADRD51M2T1	Diode	
D680	MA151KTX	Diode	
D681	YEADRD51M2T1	Diode	
D682	MA151KTX	Diode	
D683	YEADRD51M2T1	Diode	
D701	YEADDSA3A2	Diode	
D702	MA151KTX	Diode	
D703	YEADRD56M3T1	Diode	
D704	MA721TX	Diode	
D705	MA704TW	Diode	
D706	YEADRD51M2T1	Diode	
D707	YEADRB100AT	Diode	
D708	YEADRD91M1T2	Diode	
D709	YEADRB100AT	Diode	
D710	MA721TX	Diode	
D712	MA1091LMTA	Diode	
D715	YEADRB100AT	Diode	
D716	YEADRB100AT	Diode	
D720	MA736TX	Diode	
D721	MA736TX	Diode	
D722	MA736TX	Diode	
D723	MA736TX	Diode	
D724	MA736TX	Diode	
D725	MA736TX	Diode	
D726	MA736TX	Diode	
D727	MA736TX	Diode	
D801	MA153TX	Diode	
D802	YEADRD27M2T1	Diode	

DISPLAY BLOCK [E8476A]

Ref. No.	Part No.	Part Name & Description	Remarks
D900	LN1271RAL	LED	
D901	LNJ306G5TUWQ	LED	
D902	LNJ306G5TUWQ	LED	
D903	LNJ306G5TUWQ	LED	
D904	LNJ306G5TUWQ	LED	
D905	LNJ306G5TUWQ	LED	
D906	LNJ306G5TUWQ	LED	
D907	LNJ306G5TUWQ	LED	
D908	LNJ306G5TUWQ	LED	
D909	LNJ306G5TUWQ	LED	

Ref. No.	Part No.	Part Name & Description	Remarks
D910	LNJ306G5TUWQ	LED	
D911	LNJ306G5TUWQ	LED	
D912	LNJ306G5TUWQ	LED	
D913	LNJ306G5TUWQ	LED	
D914	LNJ306G5TUWQ	LED	
D915	LNJ306G5TUWQ	LED	
D916	LNJ306G5TUWQ	LED	
D917	LNJ306G5TUWQ	LED	
D918	LNJ306G5TUWQ	LED	
D919	LNJ306G5TUWQ	LED	
D920	LNJ306G5TUWQ	LED	
D926	MA8056LMHTX	Diode	
D927	MA8056LMHTX	Diode	
D928	MA8056LMHTX	Diode	
D929	MA8056LMHTX	Diode	
D930	MA8056LMHTX	Diode	

SUB BLOCK [E8497A]

Ref. No.	Part No.	Part Name & Description	Remarks
D642	LNJ306G5TUWQ	LED	
D643	LNJ306G5TUWQ	LED	

1.3. Capasitors

MAIN BLOCK [E6686]

Ref. No.	Part No.	Part Name & Description	Remarks
C51	ECEA1CKA470I	Electrolytic, 47µF 16WV	
C52	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C53	YECUS1H101JM	Ceramic, 100PF 50WV	
C54	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C57	YECUS1E273KX	Ceramic, 0.027µF 25WV	
C58	YECUS1E273KX	Ceramic, 0.027µF 25WV	
C60	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C201	YECUS1H101JM	Ceramic, 100PF 50WV	
C202	YECUS1H101JM	Ceramic, 100PF 50WV	
C203	ECEA1HKA3R3I	Electrolytic, 3.3µF 50WV	
C204	ECEA1HKA3R3I	Electrolytic, 3.3µF 50WV	
C205	ECEA1HKAR33I	Electrolytic, 0.33µF 50WV	
C207	YECUS1C224KX	Ceramic, 0.22µF 16WV	
C208	YECUS1E333KX	Ceramic, 0.033µF 25WV	
C209	YECUS1H562KX	Ceramic, 0.0056µF 50WV	
C210	ECEA1CKA470I	Electrolytic, 47µF 16WV	
C211	YECUV1E334ZF	Ceramic, 0.33µF 25WV	
C217	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C218	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C220	YECUS1H123KX	Ceramic, 0.012µF 50WV	
C221	ECEA1HKAR33I	Electrolytic, 0.33µF 50WV	
C222	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C223	ECEA0JKA470I	Electrolytic, 47µF 6.3WV	
C230	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C231	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C238	YECUS1H221JM	(CQ-DP975EUC) 220PF 50WV	
C239	YECUS1H221JM	(CQ-DP975EUC) 220PF 50WV	
C241	ECEA1HKA010I	Electrolytic, 1µF 50WV	
C242	YECUS1H222KX	Ceramic, 0.0022µF 50WV	
C244	ECEA1HKA010I	Electrolytic, 1µF 50WV	
C245	YECUS1H222KX	Ceramic, 0.0022µF 50WV	
C246	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C247	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C248	ECA1CDT472Y	Electrolytic, 4700µF 16WV	
C249	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C260	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C261	ECEA0JKA470I	Electrolytic, 47µF 6.3WV	
C262	YECUS1C224KX	Ceramic, 0.22µF 16WV	
C263	YECUS1E223KX	Ceramic, 0.022µF 25WV	
C264	ECEA1HKA2R2I	Electrolytic, 2.2µF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C266	ECEA0JKA470I	Electrolytic, 47µF 6.3WV	
C270	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C274	YECUS1H221JM	Ceramic, 220PF 50WV	
C275	YECUS1H221JM	Ceramic, 220PF 50WV	
C280	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C281	YECUS1H102KX	Ceramic, 0.001µF 50WV	
C282	ECEA1AKA220I	Electrolytic, 22µF 10WV	
C283	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C301	YECUS1H101JM	Ceramic, 100PF 50WV	
C302	YECUS1H101JM	Ceramic, 100PF 50WV	
C303	ECEA1HKA3R3I	Electrolytic, 3.3µF 50WV	
C304	ECEA1HKA3R3I	Electrolytic, 3.3µF 50WV	
C305	ECEA1HKAR33I	Electrolytic, 0.33µF 50WV	
C307	YECUS1C224KX	Ceramic, 0.22µF 16WV	
C308	YECUS1E333KX	Ceramic, 0.033µF 25WV	
C309	YECUS1H562KX	Ceramic, 0.0056µF 50WV	
C310	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C311	ECEA1CKA470I	Electrolytic, 47µF 16WV	
C317	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C318	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C320	YECUS1H123KX	Ceramic, 0.012µF 50WV	
C321	ECEA1HKAR33I	Electrolytic, 0.33µF 50WV	
C322	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C323	ECEA0JKA470I	Electrolytic, 47µF 6.3WV	
C330	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C331	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C338	YECUS1H221JM	(CQ-DP975EUC) 220PF 50WV	
C339	YECUS1H221JM	(CQ-DP975EUC) 220PF 50WV	
C341	ECEA1HKA010I	Electrolytic, 1µF 50WV	
C342	YECUS1H222KX	Ceramic, 0.0022µF 50WV	
C344	ECEA1HKA010I	Electrolytic, 1µF 50WV	
C345	YECUS1H222KX	Ceramic, 0.0022µF 50WV	
C348	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C366	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C380	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C381	YECUS1H102KX	Ceramic, 0.001µF 50WV	
C401	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C402	ECEA1AKS221I	Electrolytic, 220µF 10WV	
C403	ECEA1HKA4R7I	Electrolytic, 4.7µF 50WV	
C404	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C405	YECUS1H102KX	Ceramic, 0.001µF 50WV	
C601	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C603	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C606	YECUS1H220JM	Ceramic, 22PF 50WV	
C607	YECUS1H220JM	Ceramic, 22PF 50WV	
C608	ECEA0JKA331I	Electrolytic, 330µF 6.3WV	
C609	EECS5R5H473	Electrolytic, 0.047F 5.5WV	
C613	YECUV2A102KX	Ceramic, 0.001µF 100WV	
C619	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C635	YECUS1H680JM	Ceramic, 68PF 50WV	
C636	YECUS1H101JM	Ceramic, 100PF 50WV	
C650	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C651	ECEA0JKA470I	Electrolytic, 47µF 6.3WV	
C660	ECEA0JKA470I	Electrolytic, 47µF 6.3WV	
C661	YECUS1H103KX	(CQ-DP975EUC) 0.01µF 50WV	
C662	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C663	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C680	ECSH1CY225CR	Tantalum, 2.2µF 16WV	
C681	ECSH1CY225CR	Tantalum, 2.2µF 16WV	
C701	ECEA1CKA101I	Electrolytic, 100µF 16WV	
C702	ECEA1CKA100I	Electrolytic, 10µF 16WV	
C703	ECEA1CKA101I	Electrolytic, 100µF 16WV	
C704	ECEA0JKA470I	Electrolytic, 47µF 6.3WV	
C705	ECEA1HKA010I	Electrolytic, 1µF 50WV	
C706	ECEA1CKA101I	Electrolytic, 100µF 16WV	
C707	ECEA1AKA101I	Electrolytic, 100µF 10WV	
C708	ECEA1CKA101I	Electrolytic, 100µF 16WV	
C709	ECEA1AKA221I	Electrolytic, 220µF 10WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C710	ECA1CDT102BQ	Electrolytic, 1000µF 16WV	
C711	YECUV1E334ZF	Ceramic, 0.33µF 25WV	
C712	EEAFC1A820H	Electrolytic, 82µF 10WV	
C714	ECEA0JKA101I	Electrolytic, 100µF 6.3WV	
C715	YECUV1E334ZF	Ceramic, 0.33µF 25WV	
C716	ECSH1VC335PR	Tantalum, 3.5µF 35WV	
C717	ECEA1CKA470I	Electrolytic, 47µF 16WV	
C719	YECUS1H103KX	Ceramic, 0.01µF 50WV	
C800	YECUV1H104ZF	Ceramic, 0.1µF 50WV	
C801	ECEA1CKA101I	Electrolytic, 100µF 16WV	
C802	YECUV1E334ZF	Ceramic, 0.33µF 25WV	
C803	ECEA1AKA221I	Electrolytic, 220µF 10WV	
C804	YECUS1E104ZF	Ceramic, 0.1µF 25WV	

DISPLAY BLOCK [E8476A]

Ref. No.	Part No.	Part Name & Description	Remarks
C905	YECUM2A683JN	Plastic Film, 0.068µF 100WV	
C906	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C907	ECEV1CA220SR	Electrolytic, 22µF 16WV	
C910	YECUS1H102KX	Ceramic, 0.001µF 50WV	
C911	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C914	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C915	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C920	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C921	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C923	YECUS1H681JM	Ceramic, 680PF 50WV	

AUDIO BLOCK [E8479] (CQ-DFX85EUC)

Ref. No.	Part No.	Part Name & Description	Remarks
C232	ECEA1CKS100I	(CQ-DFX85EUC) 10µF 16WV	
C233	ECEA1CKS100I	(CQ-DFX85EUC) 10µF 16WV	
C234	ECEA1CKS100I	(CQ-DFX85EUC) 10µF 16WV	
C235	ECEA1CKS100I	(CQ-DFX85EUC) 10µF 16WV	
C236	YECUS1H221JM	(CQ-DFX85EUC) 220PF 50WV	
C237	YECUS1H221JM	(CQ-DFX85EUC) 220PF 50WV	
C250	YECUS1H152KX	(CQ-DFX85EUC) 0.0015µF 50WV	
C251	YECUS1H152KX	(CQ-DFX85EUC) 0.0015µF 50WV	
C252	ECEA1AKS101I	(CQ-DFX85EUC) 100µF 10WV	
C253	ECEA1AKS470I	(CQ-DFX85EUC) 47µF 10WV	
C254	ECEA1AKS221I	(CQ-DFX85EUC) 220µF 10WV	
C255	YECUS1C104KX	(CQ-DFX85EUC) 0.1µF 16WV	
C256	ECEA1AKS101I	(CQ-DFX85EUC) 100µF 10WV	
C332	ECEA1CKS100I	(CQ-DFX85EUC) 10µF 16WV	
C333	ECEA1CKS100I	(CQ-DFX85EUC) 10µF 16WV	
C334	ECEA1CKS100I	(CQ-DFX85EUC) 10µF 16WV	
C335	ECEA1CKS100I	(CQ-DFX85EUC) 10µF 16WV	
C336	YECUS1H221JM	(CQ-DFX85EUC) 220PF 50WV	
C337	YECUS1H221JM	(CQ-DFX85EUC) 220PF 50WV	
C350	YECUS1H152KX	(CQ-DFX85EUC) 0.0015µF 50WV	
C351	YECUS1H152KX	(CQ-DFX85EUC) 0.0015µF 50WV	
C352	ECEA1AKS101I	(CQ-DFX85EUC) 100µF 10WV	
C353	ECEA1AKS221I	(CQ-DFX85EUC) 220µF 10WV	
C354	ECEA1AKS470I	(CQ-DFX85EUC) 47µF 10WV	
C355	YECUS1C104KX	(CQ-DFX85EUC) 0.1µF 16WV	
C357	ECEA1AKS101I	(CQ-DFX85EUC) 100µF 10WV	

1.4. Resistors

MAIN BLOCK [E6686]

Ref. No.	Part No.	Part Name & Description	Remarks
R50	ERJ6GEYJ5R6	Chip, 5.6Ω 1/10W	
R51	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R52	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R53	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R54	ERJ8GEYJ123V	Chip, 12kΩ 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R56	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R57	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R59	ERJ6GEYJ822	Chip, 8.2kΩ 1/10W	
R60	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R201	ERJ8GEYJ183V	Chip, 18kΩ 1/8W	
R202	ERJ8GEYJ183V	Chip, 18kΩ 1/8W	
R204	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R205	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R211	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R212	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R213	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R214	ERJ6GEYJ752	Chip, 7.5kΩ 1/10W	
R215	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R216	ERJ8GEYJ682V	Chip, 6.8kΩ 1/8W	
R217	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R218	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R225	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R226	ERJ6GEYJ333	Chip, 33kΩ 1/10W	
R230	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R232		Chip Resistor	
	ERJ6GEYJ272	(CQ-DFX85EUC) 2.7kΩ 1/10W	
	ERJ6GEYJ103	(CQ-DP975EUC) 10kΩ 1/10W	
R235	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R237		Chip Resistor	
	ERJ6GEYJ272	(CQ-DFX85EUC) 2.7kΩ 1/10W	
	ERJ6GEYJ103	(CQ-DP975EUC) 10kΩ 1/10W	
R240	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R241	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R242	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R243	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R255	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R256	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R257	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R260	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R261	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R262	ERJ8GEYJ153V	Chip, 15kΩ 1/8W	
R263	ERJ8GEYJ123V	Chip, 12kΩ 1/8W	
R264	ERJ8GEYJ683V	Chip, 68kΩ 1/8W	
R267	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R268	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R270		Chip Resistor	
	ERJ6GEYJ151	(CQ-DFX85EUC) 150Ω 1/10W	
	ERJ6GEYJ471	(CQ-DF975EUC) 470Ω 1/10W	
R271	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R276		Chip Resistor	
	ERJ6GEYJ470	(CQ-DFX85EUC) 47Ω 1/10W	
	ERJ6GEYJ101	(CQ-DP975EUC) 100Ω 1/10W	
R277		Chip Resistor	
	ERJ6GEYJ470	(CQ-DFX85EUC) 47Ω 1/10W	
	ERJ6GEYJ101	(CQ-DP975EUC) 100Ω 1/10W	
R280	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R281	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R282	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R283	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R284	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R301	ERJ8GEYJ183V	Chip, 18kΩ 1/8W	
R302	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R304	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R305	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R311	ERJ6GEYJ123	Chip, 12kΩ 1/10W	
R312	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R313	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R314	ERJ6GEYJ752	Chip, 7.5kΩ 1/10W	
R315	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R316	ERJ6GEYJ682	Chip, 6.8kΩ 1/10W	
R317	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R318	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R330	ERJ6GEYJ561	Chip, 560Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R332		Chip Resistor	
	ERJ6GEYJ272	(CQ-DFX85EUC) 2.7kΩ 1/10W	
	ERJ6GEYJ103	(CQ-DP975EUC) 10kΩ 1/10W	
R335	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R337		Chip Resistor	
	ERJ6GEYJ272	(CQ-DFX85EUC) 2.7kΩ 1/10W	
	ERJ6GEYJ103	(CQ-DP975EUC) 10kΩ 1/10W	
R340	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R341	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R342	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R343	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R360	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R380	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R381	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R382	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R383	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R384	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R401	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R402	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R403	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R405	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R406	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R407	ERJ8GEYJ100V	Chip, 10Ω 1/8W	
R603	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R604	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R605	ERJ6GEYJ104	Chip, 100kΩ 1/10W	
R611	ERJ8GEYJ681V	Chip, 680Ω 1/8W	
R614	ERJ8GEYJ473V	Chip, 47kΩ 1/8W	
R625	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R626	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R627	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R628	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R629	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R634	ERJ6GEYJ100	Chip, 10Ω 1/10W	
R636	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R638	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R640	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R641	ERJ14YJ1R0H	Chip, 1Ω 1/4W	
R642	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R643	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R644	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R645	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R646	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R647	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R648	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R649	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R650	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R651	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R652	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R653	ERJ8GEYJ151V	Chip, 150 ohms 1/8W	
R660	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R661	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R662	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R663	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R664	ERJ6GEYJ183	Chip, 18kΩ 1/10W	
R671	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R672	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R673	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R674	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R675	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R676	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R680	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R681	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R682	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R683	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R684	ERJ6GEYJ184	Chip, 180kΩ 1/10W	
R701	ERDS2FJ470	Carbon, 47Ω 1/4W	
R703	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R704	ERJ8GEYJ684V	Chip, 680kΩ 1/8W	
R705	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R706	ERJ6GEYJ124	Chip, 120kΩ 1/10W	
R707	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R708	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R709	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R710	ERDS1FJ561	Carbon, 560Ω 1/2W	
R712	ERJ14YJ1R0H	Chip, 1Ω 1/4W	
R713	ERDS1FJ181	Carbon, 180Ω 1/2W	
R714	ERJ8GEYJ152V	Chip, 1.5kΩ 1/8W	
R801	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R802	ERJ8GEYJ152V	Chip, 1.5kΩ 1/8W	
R804	ERJ6GEYJ473	Chip, 47kΩ 1/10W	

DISPLAY BLOCK [E8476A]

Ref. No.	Part No.	Part Name & Description	Remarks
R906	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R907	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R908	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R909	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R910	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R911	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R930	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R931	ERJ6GEYJ332	Chip, 3.3kΩ 1/10W	
R938	ERJ6GEYJ4R7	Chip, 4.7Ω 1/10W	
R941	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R942	ERJ6GEYJ433	Chip, 43kΩ 1/10W	
R951	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R952	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R953	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R954	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R955	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R956	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R957	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R961	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R962	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R963	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R964	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R965	ERJ6GEYJ103	Chip, 10kΩ 1/10W	

AUDIO BLOCK [E8479] (CQ-DFX85EUC)

Ref. No.	Part No.	Part Name & Description	Remarks
R231	ERJ6GEYJ221	(CQ-DFX85EUC) 220Ω 1/10W	
R234	ERJ6GEYJ103	(CQ-DFX85EUC) 10kΩ 1/10W	
R236	ERJ6GEYJ221	(CQ-DFX85EUC) 220Ω 1/10W	
R238	ERJ6GEYJ103	(CQ-DFX85EUC) 10kΩ 1/10W	
R251	ERJ6GEYJ393	(CQ-DFX85EUC) 39kΩ 1/10W	
R252	ERJ6GEYJ273	(CQ-DFX85EUC) 27kΩ 1/10W	
R253	ERJ6GEYJ273	(CQ-DFX85EUC) 27kΩ 1/10W	
R254	ERJ6GEYJ393	(CQ-DFX85EUC) 39kΩ 1/10W	
R331	ERJ6GEYJ221	(CQ-DFX85EUC) 220Ω 1/10W	
R334	ERJ6GEYJ103	(CQ-DFX85EUC) 10kΩ 1/10W	
R336	ERJ6GEYJ221	(CQ-DFX85EUC) 220Ω 1/10W	
R338	ERJ6GEYJ103	(CQ-DFX85EUC) 10kΩ 1/10W	
R351	ERJ6GEYJ393	(CQ-DFX85EUC) 39kΩ 1/10W	
R352	ERJ6GEYJ273	(CQ-DFX85EUC) 27kΩ 1/10W	
R353	ERJ6GEYJ273	(CQ-DFX85EUC) 27kΩ 1/10W	
R354	ERJ6GEYJ393	(CQ-DFX85EUC) 39kΩ 1/10W	

1.5. Connectors

MAIN BLOCK [E6686]

Ref. No.	Part No.	Part Name & Description	Remarks
CJ651	YEAETSBP0619	Connector, 6P	
CN201	YEAE012504	(CQ-DP975EUC) RCA REAR-OUT	

Ref. No.	Part No.	Part Name & Description	Remarks
CN270	YEAE012647	Connector, RCA S/W-OUT	
CN280	YEAE012503	Connector, 1P RCA	
CN301	YEAE012505	(CQ-DP975EUC) RCA FRONT-OUT	
CN620	YEAE012763	Connector, 14P	
CN650	YEAE012307	Connector, 8P DIN	
CN701	YEAE012748	Connector, 16P	
CP1	YEAET14B140C	Connector, 14P FFC	
CP640	YEAE0115MX	Connector, 15P	
CP642	YEAE0104MX	Connector, 4P	

DISPLAY BLOCK [E8476A]

Ref. No.	Part No.	Part Name & Description	Remarks
CN901	YEAE012760	Connector, 14P	

AUDIO BLOCK [E8479] (CQ-DFX85EUC)

Ref. No.	Part No.	Part Name & Description	Remarks
CJ301	YEAE0110ASLB	(CQ-DFX85EUC) Connector, 10P	
CN202	YEAE012656	(CQ-DFX85EUC) Connector, RCA REAR	
CN302	YEAE012655	(CQ-DFX85EUC) Connector, RCA FRONT	

SUB BLOCK [E8497A]

Ref. No.	Part No.	Part Name & Description	Remarks
CJ640	YEAE0115MPA	Connector, 15P	
CJ642	YEAE0104MPA	Connector, 4P	
CP641	YEAE012761	Connector, 14P	

1.6. Electric Parts

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW601	YEAS08042	Switch	
SW610	YEAS09267	Switch	
SW901	YEAS09312	Switch	
SW902	YEAS09312	Switch	
SW903	YEAS09312	Switch	
SW904	YEAS09312	Switch	
SW905	YEAS09312	Switch	
SW906	YEAS09312	Switch	
SW907	YEAS09312	Switch	
SW908	YEAS09312	Switch	
SW909	YEAS09312	Switch	
SW910	YEAS09312	Switch	
SW911	YEAS09312	Switch	
SW912	YEAS09312	Switch	
SW913	YEAS09312	Switch	
SW914	YEAS09312	Switch	
SW915	YEAS09312	Switch	
SW916	YEAS09312	Switch	
SW917	YEAS09312	Switch	
SW918	YEAS09312	Switch	
SW919	YEAS09312	Switch	
SW920	YEAS09312	Switch	
SW921	YEAS09312	Switch	
SW922	YEAS09312	Switch	

CRYSTAL

Ref. No.	Part No.	Part Name & Description	Remarks
XL601	YEXL49U0450T	Crystal OSC	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L50	YELT02C330KT	Coil	
L620	YELT02C101KT	Coil	
L702	YETQ026F143	Coil	
L800	ELEH330KA	Coil	
L901	YELT216825TG	Coil	
L902	YELTD75F101T	Coil	

LCD

Ref. No.	Part No.	Part Name & Description	Remarks
LCD901	YEXDCM1259	LCD	

LAMPS

Ref. No.	Part No.	Part Name & Description	Remarks
Z50	YEAL02007T	Neon Lamp	
CFL1	YEAL98024	Display Tube	

THERMISTOR

Ref. No.	Part No.	Part Name & Description	Remarks
PH720	YERT7AR4R7MT	Thermistor	

1.7. Accessories

PRINTING

Ref. No.	Part No.	Part Name & Description	Remarks
	YEFM282805	Operating Instructions	

INSTALLATION PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
	YEAJ02792	Power Connector	
	YEFG04019	Rear Support Strap	
	YEP9FZ2714	Screw Kit	
	YEFX9991526A	Remote Controller	
	CR2025/1F	Battery	
	YEFA131302	Detachable Unit Cover	
	YEFX0214198	Mounting Collar	

1.8. Mechanical Parts

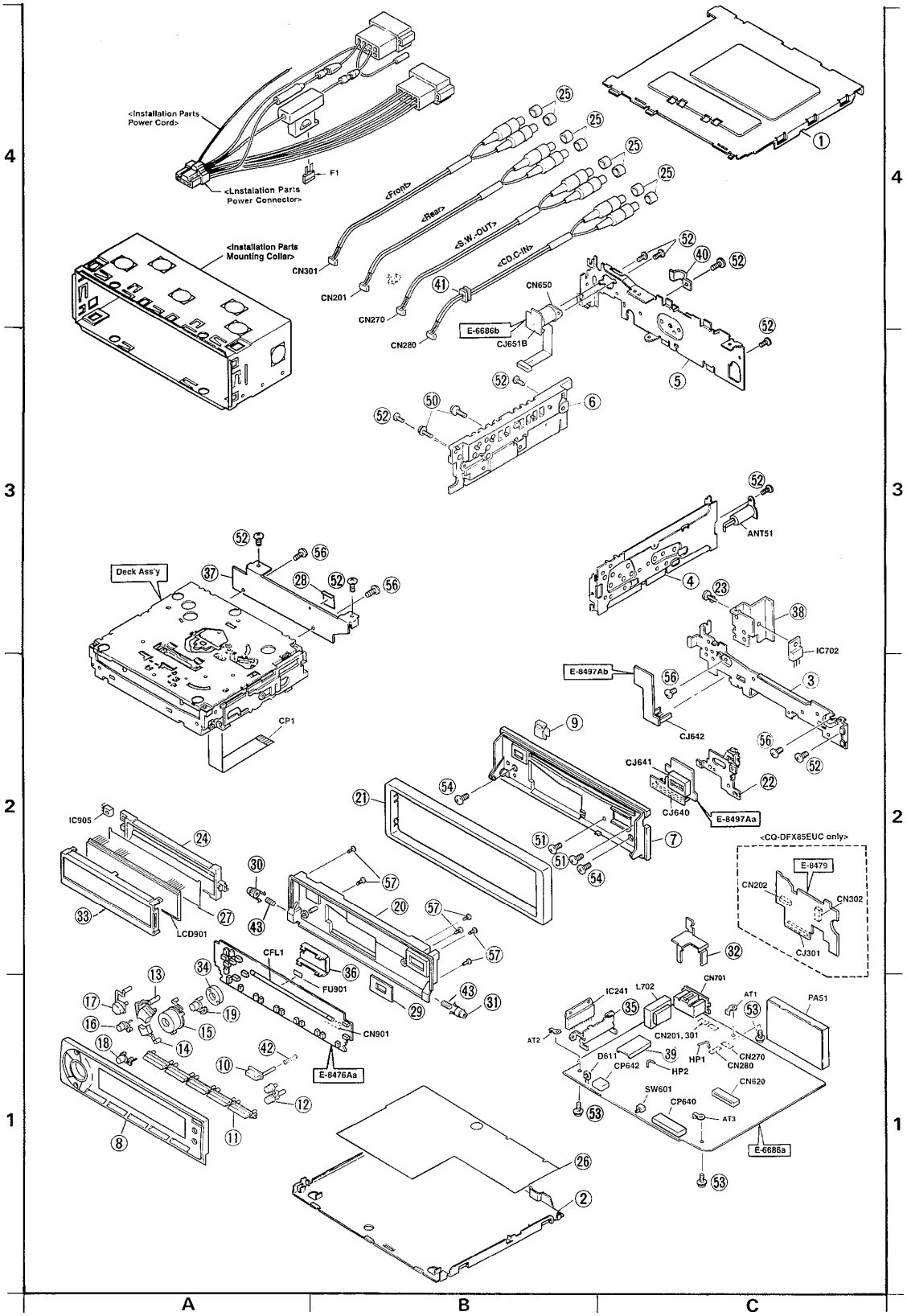
MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
F1⚠	YEFA02015	Fuse, 15A	
FU901⚠	YEAFSSFC0R4A	Fuse, 0.4A	
ANT51	YEAA10090	Antenna Receptacle	
AT1 to 3	YEAT03420	Terminal	
AT1	YEAT03383	(CQ-DFX85EUC) Terminal	
HP1,2	YEAT03324	Terminal	
1	YEFA031359D	Upper Cover	(4-C)
2	YEFA05594B	Bottom Cover	(1-B)
3	YEP9FX068A	Front Chassis Ass'y	(2-C)
4	YEFA09508	Side Plate	(3-C)
5	YEFA08461	Rear Plate	(3-C)
6	YEFF01921	Heat Sink	(3-B)
7	YEFC025658A	Escutcheon	(2-B)
8		Escutcheon Ass:y, detachable	(1-A)
	YEFC025834	(CQ-DFX85EUC)	
	YEFC025835	(CQ-DP975EUC)	
9	YEFE135147	Button, EJECT	(2-B)
10	YEFE135141	Button, OPEN	(1-A)
11	YEFE135163	Button, PRESET/HDB	(1-A)

Ref. No.	Part No.	Part Name & Description	Remarks
12	YEFE135146	Button, ./D	(1-A)
13	YEFE135137	Button, VOL UP	(1-A)
14	YEFE135138	Button, VOL DOWN	(1-A)
15	YEFE135140	Button, MODE/BAND	(1-A)
16	YEFE135142	Button, ATT	(1-A)
17	YEFE135143	Button, SEL	(1-A)
18	YEFE135144	Button, PWR	(1-A)
19	YEFE135139	Button, SDM	(1-A)
20	YEFA131357	Cover, Detachable	(2-B)
21	YEFC05558A	Trim Plate	(2-B)
22	YEP9FX069	Hook Bracket Ass'y	(2-C)
23	YEFJ05030	Color Rivet	(3-C)
24	YEFK06791	Holder, LCD	(2-A)
25	YEFR04187	Lead Cap, PRE	(4-C)
26	YEFV011813	Insulator	(1-B)
27	YEFV021552	Optical Shade, LCD	(2-A)
28	YEFV011890	Insulator	(3-B)
29	YEFV011891	Insulator	(1-B)
30	YEFW04156	Shaft Collar	(2-A)
31	YEFW04157	Shaft Collar	(1-B)
32	YEFX0214422	Bracket, CN701	(2-C)
33	YEFX0214417	Bracket, LCD	(2-A)
34	YEFX0011815	Transparent Plate	(1-A)
35	YEFX0213945B	Bracket	(1-C)
36	YEFX0214418	Bracket	(2-B)
37	YEFX0214481	Bracket, Deck	(3-A)
38	YEFX0214423	Bracket, IC702	(3-C)
39	YEFX0214168	Bracket	(1-C)
40	YAFX016027	Cord Clamper	(4-C)
41	YEFX007380	Cord Clamper	(4-B)
42	YEFX0052153	Spring	(1-A)
43	YEFX0052253	Spring	(2-A) (1-B)
50	YEJS06092	Screw, 3mm * 10mm	
51	YEJS03020	Screw, 2mm * 4mm	
52	XTB3+6FFX	Tapping Screw, 3mm * 6mm	
53	YEJT03009	Tapping Screw, 3mm * 8mm	
54	YEJT03156	Tapping Screw, 2.6mm * 4mm	
56	XTB26+6GFX	Tapping Screw, 2.6mm * 6mm	
57	XTN2+8GFZ	Tapping Screw, 2mm * 8mm	

EXPLODED VIEW (Unit)

■ Numbers in ○ are indicated REF.NO. in the REPLACEMENT PARTS LIST



2 CD Player Parts

Note :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
5. "A" marks in remarks column are indicated supply parts of Audio Division(AD) in Matsushita Electric Industrial Co., Ltd.(MEI)
6. "V" marks in remarks column are indicated supply parts of Video System Division(VSD) in Matsushita Electric Industrial Co., Ltd.(MEI)

IC's and Transistors

Ref. No.	Part No.	Part Name & Description	Remarks
IC1	AN8835SBE1	IC	A
IC2	MN662741RPA	IC	A
IC3	BA6795FPE2	IC	A
IC4	MB89193-233E	IC	A
Q1	2SA1037AKTXR	Transistor	A
Q2	DTC114TKT96	Transistor	A

Diodes

Ref. No.	Part No.	Part Name & Description	Remarks
D1	MA141WKTX	Diode	A

Capacitors

Ref. No.	Part No.	Part Name & Description	Remarks
C1	RCSX0JX226LE	Tantalum, 22MFD 6.3WV	A
C3	ECEA0JKA101I	Electrolytic, 100MFD 6.3WV	
C4	ECUV1E104ZFN	Chip, 0.1MFD 25WV	A
C5	ECUV1E104ZFN	Chip, 0.1MFD 25WV	A
C6	ECUV1E104MBN	Chip, 0.1MFD 25WV	A
C7	ECUV1E104MBN	Chip, 0.1MFD 25WV	A
C8	ECUV1H272KBN	Chip, 0.0027MFD 50WV	A
C9	ECUV1E273KBN	Chip, 0.027MFD 25WV	A
C10	ECUV1E104MBN	Chip, 0.1MFD 25WV	A
C11	ECUV1E104MBN	Chip, 0.1MFD 25WV	A
C12	ECUV1H222MBN	Chip, 0.0022MFD 50WV	A
C13	ECUV1H182KBN	Chip, 0.0018MFD 50WV	A
C14	ECUV1E104MBN	Chip, 0.1MFD 25WV	A
C15	ECUV1C473KBN	Chip, 0.047MFD 16WV	A
C16	ECUV1E223KBN	Chip, 0.022MFD 25WV	A
C17	ECUV1E273KBN	Chip, 0.027MFD 25WV	A
C18	ECUV1H471KBN	Chip, 470PF 50WV	A
C19	ECUV1E104MBN	Chip, 0.1MFD 25WV	A
C20	ECUV1E223KBN	Chip, 0.022MFD 25WV	A
C21	ECUV1C224KBM	Chip, 0.22MFD 16WV	A
C22	ECUV1C224KBM	Chip, 0.22MFD 16WV	A
C23	ECUV1H070DCN	Chip, 7PF 50WV	A
C24	ECUV1H220JCN	Chip, 22PF 50WV	A
C25	ECUV1E104ZFN	Chip, 0.1MFD 25WV	A
C26	ECUV1H102KBN	Chip, 0.001MFD 50WV	A
C27	ECUV1H102KBN	Chip, 0.001MFD 50WV	A
C28	ECUV1E223ZFN	Chip, 0.022MFD 25WV	A
C29	RCE0JPK221IG	Electrolytic, 220MFD 6.3WV	A
C30	ECUV1E154MBM	Chip, 0.15MFD 25WV	A
C33	RCE0JPK221IG	Electrolytic, 220MFD 6.3WV	A
C34	ECUV1H561KBN	Chip, 560PF 50WV	A
C35	ECEA0JKA101I	Electrolytic, 100MFD 6.3WV	
C36	ECEA1AKA221I	Electrolytic, 220MFD 10WV	
C37	ECUV1E104ZFN	Chip, 0.1MFD 25WV	A
C38	ECEA0JKA221I	Electrolytic, 220MFD 6.3WV	
C39	ECUV1E104ZFN	Chip, 0.1MFD 25WV	A
C40	ECUV1H472MBN	Chip, 0.0047MFD 50WV	A
C42	ECUV1E104ZFN	Chip, 0.1MFD 25WV	A
C44	ECUV1H331KBN	Chip, 330PF 50WV	A
C45	ECUV1E224ZFM	Chip, 0.22MFD 25WV	A
C56	ECUV1H221KBN	Chip, 220PF 50WV	A

Resistors

Ref. No.	Part No.	Part Name & Description	Remarks
R1	ERJ6GEYJ150	Chip, 15 OHMS 1/10W	
R2	ERJ6GEYJ221	Chip, 220 OHMS 1/10W	
R3	ERJ6GEYJ150	Chip, 15 OHMS 1/10W	
R5	ERJ6GEYJ330	Chip, 33 OHMS 1/10W	
R6	ERJ6GEYJ224	Chip, 220k OHMS 1/10W	
R7	ERJ6GEYJ184	Chip, 180k OHMS 1/10W	
R8	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R9	ERJ6GEYJ103	Chip, 10k OHMS 1/10W	
R10	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R11	ERJ6GEYJ103	Chip, 10k OHMS 1/10W	
R12	ERJ6GEYJ393	Chip, 39k OHMS 1/10W	
R13	ERJ6GEYJ183	Chip, 18k OHMS 1/10W	
R14	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R15	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R16	ERJ6GEYJ154	Chip, 150k OHMS 1/10W	
R17	ERJ6GEYJ683	Chip, 68k OHMS 1/10W	
R18	ERJ6GEYJ471	Chip, 470 OHMS 1/10W	
R20	ERJ6GEYJ101	Chip, 100OHMS 1/10W	
R21	ERJ6GEYJ220	Chip, 22 OHMS 1/10W	
R22	ERJ6GEYJ220	Chip, 22 OHMS 1/10W	
R23	ERJ6GEYJ822	Chip, 8.2k OHMS 1/10W	
R24	ERJ6GEYJ682	Chip, 6.8k OHMS 1/10W	
R25	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R26	ERJ6GEYJ333	Chip, 33k OHMS 1/10W	
R27	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R28	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R29	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R30	ERJ6GEYJ103	Chip, 10k OHMS 1/10W	
R31	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R32	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R33	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R34	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R35	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R36	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R37	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R39	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R40	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R41	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R42	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R43	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R44	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R45	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R46	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
R47	ERJ6GEYJ121	Chip, 120 OHMS 1/10W	
R49	ERJ6GEYJ155V	Chip, 1.5M OHMS 1/10W	A
R50	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R51	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R52	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R53	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R54	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R55	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R56	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R57	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R58	ERJ6GEYJ473	Chip, 47k OHMS 1/10W	
R62	ERJ6GEYJ272	Chip, 2.7k OHMS 1/10W	
R63	ERJ6GEYJ102	Chip, 1k OHMS 1/10W	
RJ1	ERJ8GEY0R00V	Chip, 0 OHM 1/8W	
RJ2	ERJ8GEY0R00V	Chip, 0 OHM 1/8W	
RJ3	ERJ8GEY0R00V	Chip, 0 OHM 1/8W	
RJ4	ERJ8GEY0R00V	Chip, 0 OHM 1/8W	
RJ5	ERJ6GEYJ1R8V	Chip, 1.8 OHMS 1/10W	A
RJ6	ERJ6GEY0R00V	Chip, 0 OHM 1/10W	
RJ7	ERJ8GEY0R00V	Chip, 0 OHM 1/8W	

Oscillators

Ref. No.	Part No.	Part Name & Description	Remarks
X1	RVBCST4R00MT	Ceramic Oscillator	A
X2	RSXC16M9S01T	Crystal Oscillator	A

Connectors

Ref. No.	Part No.	Part Name & Description	Remarks
CN1	RJS2A1816T	Connector, 16P	A
CN2	RJS2A0614T	Connector, 14P	V
CN3	RJS1A7105T	Connector, 5P	A
CN4	RJP2G17ZA	Connector, 2P	A
CN5	RJS2A1405T	Connector, 5P	V

Switches

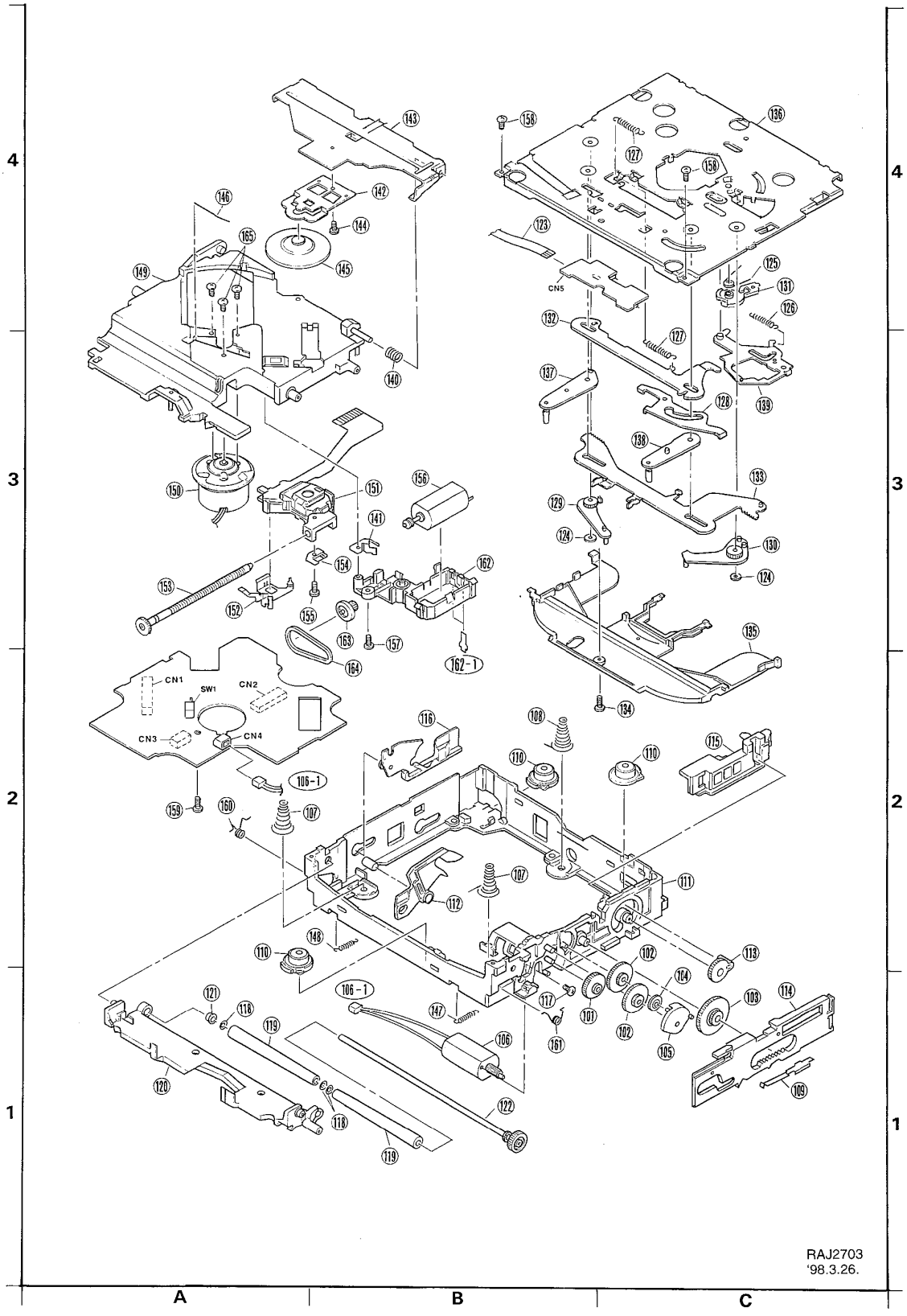
Ref. No.	Part No.	Part Name & Description	Remarks
SW1	ESE11SH2	Switch	A
SW2	RSP1A015-A	Switch	A
SW3	RSP1A015-A	Switch	A
SW4	RSP1A015-A	Switch	A
SW5	RSP1A015-A	Switch	A

Miscellaneous

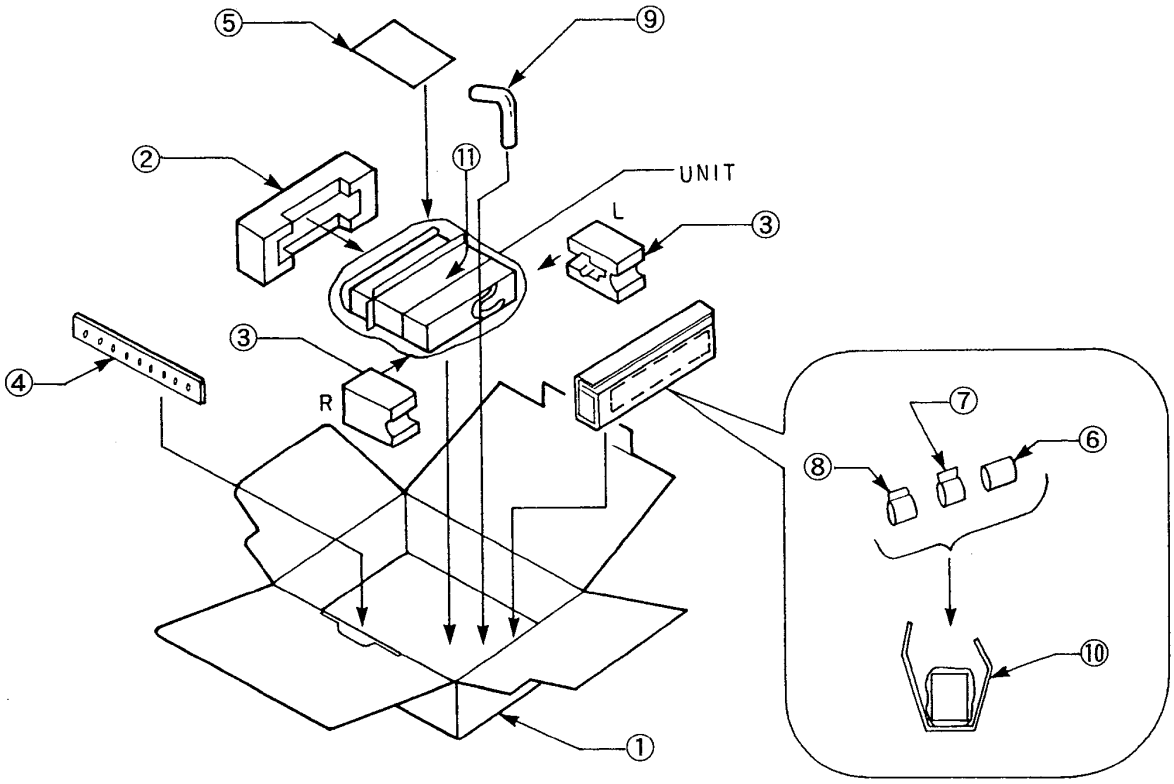
Ref. No.	Part No.	Part Name & Description	Remarks
101	RDG0350	Gear	A (1-B)
102	RDG0351	Gear N2	A (1-C)
103	RDG0352-1	Loading Gear	A (1-C)
104	RDG0353	Roller Drive Gear	A (1-C)
105	RDG0354	Roller Drive Arm	A (1-C)
106	REM0060	Loading Motor	A (1-B)
106-1	REE0669	Lead Wire	A (2-A) (1-B)
107	RMB0465	Spring	A (2-A) (2-B)
108	RMB0466	Spring	A (2-A)
109	RMC0292	Main Slider Spring	A (1-C)
110	RMG0408-K	Insullator	A (2-A) (2-B)
111	RMK0309-2	Mechanism Frame	A (2-B)
112	RML0432	Lock Arm	A (2-B)
113	RML0433-1	Drive Arm	A (2-C)
114	RMR0952-W	Main Slider	A (1-C)
115	RMR0953-W	Lift Slider	A (2-C)
116	RMR0954-W	Lock Slider	A (2-B)
117	XYN2+C5	Screw, 2mm * 5mm	A (1-B)
118	RHW31005	Washer	A (1-A)
119	RMG0382-H	Rubber Roller	A (1-A)
120	RML0434	Roller Arm	A (1-A)
121	RMR0769-W	Roller Bering	V (1-A)
122	RXJ0017	Roller Shaft	A (1-B)
123	REE0668	Flexible PCB	A (4-B)
124	RHW27004	Washer	A (3-C)
125	RMB0461	Spring	A (4-C)
126	RMB0468	Spring	A (4-C)
127	RMB0489	Spring	A (4-C) (3-C)
128	RML0428	Switch Lever	A (3-C)
129	RML0430	Trigger Lever L	A (3-C)
130	RML0431	Trigger Lever R	A (3-C)
131	RML0435	Lock Lever	A (4-C)
132	RMM0155	Slider A	A (3-C)
133	RMM0156	Slider B	A (3-C)
134	RMQ0597	Screw	A (2-C)
135	RMR0951-W	Disc Guide	A (2-C)
136	RXK0201	Upper Chassis	A (4-C)
137	RXL0134	CD Detect Lever L	A (3-B)
138	RXL0135	CD Detect Lever R	A (3-C)
139	RXL0136	Control Arm	A (3-C)
140	RMB0462	Spring	A (3-B)
141	RMC0295	Drive Shaft Retainer	V (3-B)
142	RMC0293	Clamper Retainer	A (4-B)
143	RML0429	Clamp Arm	A (4-B)
144	RMQ0467	Screw	V (4-B)
145	RMR0956-W	Clamper	A (4-B)
146	RMB0345-2	Spring	A (4-A)
147	RMB0445	Spring	A (1-B)
148	RMB0467	Spring	A (2-B)
149	RXK0199	Traverse Chassis	A (4-A)
150	RFKPAJ2751K	Spindle Motor	A (3-A)
151	RAF0140A	Optical Pickup	A (3-B)
152	RMC0294	Optical Pickup Retainer	V (3-A)
153	RXJ0018	Drive Shaft	A (3-A)
154	RXQ0474	Boad Nut	A (3-B)
155	XQN17+BG45	Screw	V (3-B)
156	REM0061	Traverse Motor	A (3-B)
157	XTW2+6S	Screw, 2mm * 6mm	A (3-B)
158	XQN2+CJ8	Screw, 2mm * 8mm	A (4-C)
159	XTW2+6S	Screw, 2mm * 6mm	A (2-A)
160	RMB0463	Spring	A (2-A)
161	RMB0464	Spring	A (1-B)
162	RXQ0476	Holder	A (3-B)
162-1	RMA0921	Terminal Board	A (3-B)
163	RDP0084	Pulley	A (3-B)
164	RDV0030	Belt	A (2-B)
165	RMQ0461	Screw	A (4-A)

EXPLODED VIEW (CD Deck)

■ Numbers in ○ are indicated REF.No. in the REPLACEMENT PARTS LIST



PACKING PARTS LIST



● *Item numbers listed below should not order regular spare parts.* ***(not available)***

Item No.	Part No.	Part Name & Description	Q'ty	Remarks
①	—	Inner Carton	1	Not available
②	—	Packing pad Front	1	Not available
③	—	Packing pad R and L	1	Not available
④	YEFG04019	Rear Support Strap	1	
⑤	YEP9PR3255	Instruction Book Kit <CQ-DP975EUC>	1	Not available
	YEP9PR3254	Instruction Book Kit <CQ-DFX85EUC>	1	Not available
	YEFM282805	Instruction Book	(1)	
		Warranty Card	(1)	Not available
		Servicenter List	(1)	Not available
⑥	YEP9FZ2714	Screw Kit	1	
⑦	CR2025/1F	Battery	1	
⑧	YEFX9991526A	Remote Control Unit	1	
⑨	YEAJ02792	Power Connector	1	
⑩	YEFA131302	Removal Face Plate Case	1	
⑪	YEFX0214198	Mounting Collar	1	